Samsung GALAXY S III ®

ANDROID SMARTPHONE

User Manual
**Please read this manual before operating your
phone and keep it for future reference.**

SAMSUNG

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Do you have questions about your Samsung Mobile Phone?
For 24 hour information and assistance, we offer a new FAQ/ARS System (Automated Response System) at:
www.samsung.com/us/support

Table of Contents

Section 1: Getting Started

This section allows you to quickly start using your Samsung SCH-R530 phone by installing the SIM and microSD cards, installing and charging the battery, activating your service, and setting up your voicemail account.

Understanding This User Manual

The sections of this manual generally follow the features of your phone. A robust index for features begins on page 201.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the guide, beginning on page 167.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from the Home screen. To get to the Home screen, you may need to unlock the phone or keypad. (For more information, refer to *"Securing Your Phone"* on page 16..)

Note: Instructions in this manual are based on default settings, and may vary from your phone, depending on the software version on your phone, and any changes to the phone's Settings.

Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's Settings.

Special Text

In this manual, you'll find text that is set apart from the rest. This special text is intended to point out important information, to share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

• **Notes**: Presents alternative options for the current feature, menu, or sub-menu.

- **Tips**: Provides quick or innovative methods or useful shortcuts.
- **Example**: Provides an example of the feature or procedure.
- **Important**: Provides important information about the current feature that could affect performance.
- **Caution**: Provides information to avoid possible damage.
- **Warning**: Brings to your attention important information to prevent loss of data or functionality or even to prevent damage to your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following text conventions are used to represent often-used steps:

➔   Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures.

Example: "Press ⬤ **Home**, then touch ▤ **Menu** ➔ **Settings** ➔ **Wi-Fi**."

Setting Up Your Phone

Before using your phone, you need to install the SIM card, the microSD™ card, and the battery into their respective internal slots and compartment.

Important! Before removing or replacing the battery cover, make sure the phone is switched off. To turn the phone off, hold down the power key until the power off image displays, and then touch **Power off**.

Removing the battery cover

   1. Hold the device firmly and locate the cover release latch (1).

   2. Place your fingernail in the opening and firmly "pop" the cover off the device (2).

Caution! Do not bend or twist the back cover excessively. Doing so may damage the cover.

Installing the battery cover

- Align the cover (1) and press it firmly into place (2), ensuring that the cover snaps into place at the corners.
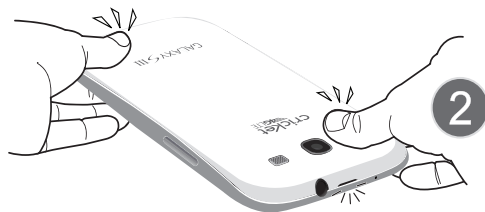
Installing the SIM Card

When you subscribe to a 4G LTE cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many other features. Only this SIM card works with this device.

Important! The SIM card must be installed for your phone to establish a network connection.

The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

---

1. Remove the battery cover. (See *"Removing the battery cover"* on page 6.)
2. Locate the SIM card slot on the bottom inside of the phone and carefully slide the micro SIM card into the SIM card socket until the card clicks into place.

Incorrect

Note: If the SIM card is not inserted correctly, the phone cannot make a network connection. Once the SIM card is inserted, do not remove it.

This device requires a SIM card. Please insert the SIM card included in the package before you turn on the device. This SIM card only works with this device. Once the SIM card is inserted, do not remove it.

Removing the SIM Card

1. Remove the battery cover.
2. Remove the battery.
3. Firmly press the card into the slot and release it. The card should pop partially out of the slot.
4. Remove the card from the slot.
5. Replace the battery cover.

Installing a Memory Card

Your device lets you install an optional microSD™ (SD) or microSDHC™ memory card to expand available memory to store images, videos, music, applications, and data.

1. Remove the battery cover. (See *"Removing the battery cover"* on page 6.)
2. Locate the microSD card slot on the bottom inside of the phone.
3. With the gold contacts facing down, carefully slide the memory card into the slot (as shown), pushing gently until the memory card clicks into place.

Important! Be sure to align the gold contact pins on the memory card with the phone's contacts.

Caution! Applications, personal settings, and other stored data may be lost or may not function properly if the memory card is removed.

For more information about mounting/unmounting, formatting, or uninstalling a memory card, see *"Mounting the SD Card"* on page 41, see *"Unmounting the Memory Card"* on page 41, or see *"Formatting a Memory Card"* on page 42.

Battery

Your phone is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) is included with the phone for charging the battery.

Note: Your phone is shipped with the battery partially charged. Please charge the battery fully before using the phone for the first time.

After the first charge, you can use the phone while charging.

Warning! Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Failure to unplug the wall charger before you remove the battery can cause damage to the phone.

Battery Indicator

The battery icon ▮ in the Status bar shows the battery power level. Two to three minutes before the battery becomes too low to operate your phone, the empty battery icon flashes and a tone sounds. If you continue to operate the phone without charging the battery, the phone powers off.

Installing the Battery

1. Remove the battery cover. (See *"Removing the battery cover"* on page 6.)
2. Slide the battery into the compartment (1) so that the tabs on the end align with the slots at the bottom of the phone. Ensure that the connectors align.
3. Gently press down to secure the battery (2).
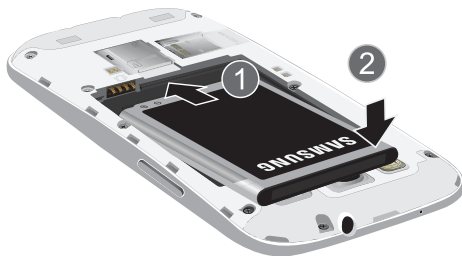
Removing the Battery

1. Remove the battery cover. (See *"Removing the battery cover"* on page 6.)

2. Lift the battery up by the slot provided (1).

3. Lift the battery up and out of the phone (2).

Charging the Battery

Your phone is powered by a rechargeable Li-ion battery. A wall charger, which is used for charging the battery, is included with your phone. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

Before using your phone for the first time, you must fully charge the battery. A discharged battery recharges fully in approximately 4 hours.

Note: Verify that the battery is installed before connecting the wall charger. If the wall charger is connected and the battery is not inst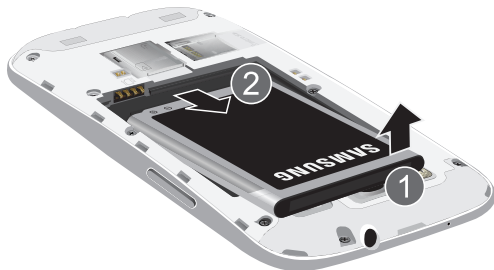alled, the handset power cycles (powers on and off) continually and does not operate properly. Failure to unplug the wall charger before you remove the battery can damage the phone.

Important! It is recommended that you fully charge the battery before using the device for the first time.

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1. Connect the USB cable to the charging head.

2. Insert the USB cable into the phone's Charger/ Accessory jack.

Incorrect

Note: This illustration displays both the **correct** and **incorrect** orientation for connecting the USB cable. Failure to connect the USB cable correctly may damage the accessory port and may void the phone's warranty.

3. If using a wall charger, plug the charging head into a standard AC power outlet. If using a computer, remove the charging head and plug the USB cable into computer's USB port.

4. Plug the charging head into a standard AC power outlet. The device turns on with the screen locked and indicates both its charge state and percent of charge.

Warning! While the device is charging, if the touch screen does not function due to an unstable power supply, unplug the USB power adapter from the power outlet or unplug the USB cable from the device.

5. When charging is finished, first unplug the charger's power plug from the AC wall outlet, and then disconnect the USB cable connector from the device.

Important! Please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 190..

Turning the Phone On

■ Press and hold the ⬜ **Power/Lock** until the phone powers on. The phone searches for your network. After the network is found, you can make or receive calls.

Note: Your phone's internal antenna is located along the bottom back of the phone. Do not block the antenna; doing so may affect call quality or cause the phone to operate at a higher power level than necessary.

Turning the Phone Off

1. Press and hold the ⬜ **Power/Lock** until the Device options screen displays.

2. Tap **Power off → OK**.

Restarting the Phone

1. Press and hold the ⬜ **Power/Lock** until the Device options screen displays.

2. Tap **Restart → OK**.

   1. If needed, press Press
      ⊂⎯⎯⎯⊃ **Home** to wake the
      screen.
   2. If there are no Notification
      alerts on your phone,
      swipe the screen to
      unlock it.
      The Home screen
      displays.

Note: If you have purchased your phone online, the first time
you power your phone on and unlock the screen, the
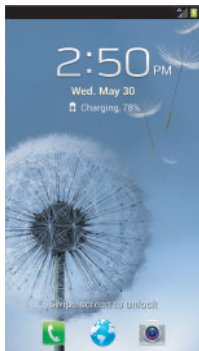Activation Wizard **Welcome** screen displays.

   Follow the prompts to activate and set up your phone.

TTY Mode

Your phone is fully TTY-compatible, allowing you to connect a
TTY device to the phone's headset jack. Before you can use
your phone with a TTY device, you'll need to enable TTY
Mode.

For more information, refer to *"Other call settings"* on page
61..

Voicemail

All unanswered calls to your phone are sent to voicemail,
even if your phone is turned off. Set up your voicemail and
personal greeting as soon as you activate your phone.

Setting up Voicemail

   1. Press ⊂⎯⎯⎯⊃ **Home**, then touch 📞 **Phone**, and then
      touch and hold 1 ∞ .
   2. Follow the automated instructions to set up your new
      password and record a greeting.

Checking Voicemail

   1. Press ⊂⎯⎯⎯⊃ **Home**, then touch 📞 **Phone**, and then
      touch and hold 1 ∞ .
   2. Follow the automated instructions to manage
      voicemail.

Tip: You can also access **Voicemail** by dialing your phone number from any touch-tone phone.

Displaying Your Phone Number

■ Press ⬭ **Home**, then touch ▤ **Menu** ➔ **Settings** ➔ **About device** ➔ **Status**.

Your phone number displays under **My phone number**.

Google™ Account Sign-in

Your new phone uses your Google account to fully utilize its Android features, including Gmail, Google Maps, Google Talk, and Google™ Play. When you turn on your phone for the first time, you should set up a connection with your existing Google account or create a new Google account.

1. Press ⬭ **Home**, then touch ▦ **Applications** ➔ ◓ **Gmail**.

   The **Add a Google Account** screen displays.

2. Touch **Existing** or **New** to continue.

3. Follow the on-screen instructions to sign in, if you already have a Google account, or to create a Google account.

### *Resetting your Google Account Password*

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to reset it:

1. From your computer, use an Internet browser to navigate to http://google.com/accounts.

2. When the Web Page loads, click the **Can't access your account?** link.

3. Under **Having trouble signing in?**, follow the password reset prompts.

Creating a Samsung Account

An active Samsung account is required to use applications such as AllShare Play and Media Hub.

1. From the Home screen, touch ▤ **Menu** ➔ **Settings**. The **Settings** screen appears.

2. Under Personal, touch **Accounts and sync** ➔ **Add account**.

3. From the **Add account** screen, touch ⓢ **Samsung account**.

4. From the **Samsung account** screen, touch **Create new account** and follow the on-screen instructions to create a Samsung account.

5. Read the Terms and conditions, and then touch the **I accept all the terms above** check box.

6. Touch **Agree**.

7. Enter the required information and touch **Sign up**.

8. At the Welcome screen, touch **Next**.

9. Follow the on-screen instructions to verify your email address and activate your account.

Roaming

When you travel outside your home network's coverage area, your phone can roam to acquire service on other compatible digital networks. When Roaming is active, the Roaming icon (△) displays in the Annunciator Line (Notification Bar) of the display.

Tip: You can set your phone's roaming behavior. (For more information, refer to *"Mobile networks"* on page 135..)

During roaming, some services may not be available. Depending on your coverage area and service plan, extra charges may apply when you make or receive calls.

Note: Contact your wireless provider for more information about your coverage area and service plan.

Securing Your Phone

By default, the phone locks automatically when the screen times out, or you can lock the phone manually. You can unlock the phone using one of the default Unlock screens. For increased security, use a personal screen unlock pattern, a personal identification number (PIN), or a password.

For more information about creating and enabling a Screen unlock pattern, see *"Screen security"* on page 152.

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

Locking the phone manually

■ Press the (ⓞ) **Power/Lock** key on the top right side of the phone.

Unlocking the phone

For information on unlocking your phone, see *"Unlocking Your Phone"* on page 14.

Unlocking with a Personal Screen Unlock Pattern

1. Press ⬭ **Home** to wake the screen.
2. Draw your personal unlock pattern on the screen.

For more information, refer to *"Screen security"* on page 152..

Unlocking with a Password

1. Press ⬭ **Home** to wake the screen.
2. Enter your Password.
3. Press **OK**.

Section 2: Understanding Your Phone

Features

- 4.8-inch 1280x720 Super AMOLED HD touch screen
- CDMA 1X/EV-DO Rev-A /LTE Wireless Technology
- 1.5 gigahertz dual-core processor
- Android® 4.0 platform
- Google Play™ Store, plus pre-loaded applications
- SAFE™ Certified
- Connections
  – Wi-Fi 802.11 a/b/g/n
  – Mobile Hotspot
  – Bluetooth 4.0
  – Tethering
  – VPN
  – NFC
  – Android Beam
  – S Beam
  – Wi-Fi Direct
  – AllShare Cast
  – DLNA
  – USB 2.0

- Messaging Services
  – Text Messaging
  – Picture Messaging
  – Video Messaging
  – Voice Messaging
  – Email
  – Mobile Instant Messenger (IM)
  – Chat
- 8 Megapixel Camera/Camcorder with LED flash + 1.9 Megapixel Front camera
- Picture Gallery
- Video Player (720p — MP4 and 3GP)
- DivX Certified® to play DivX® video up to HD 720p, including premium content
- Music Player (AAC, AAC+, eAAC+, MP3, and WMA)
- Speakerphone
- Support for microSD™ and microSDHC™ Memory Cards up to 64GB capacity
- Google Chrome® mobile browser

Front View

1. **Earpiece**: Use during calls to listen to callers.
2. **LED Indicator**: Flashes or glows to alert you to alert notifications or phone status.
3. **Menu Key**: Press to display options for the current screen.
4. **Home Key**: Press to display the Home screen or, if the phone is locked, the Lock screen. Press and hold to display recent applications or to launch Task Manager.
5. **Microphone**: Use when recording and during calls, to allow callers to hear your voice.
6. **Back Key**: Press to return to the previous screen or option.
7. **1.9 Megapixel Front Camera**: Use for taking pictures and recording video.
8. **Proximity and Light Sensors**: Detects the presence of nearby objects to control phone functions or blank the screen display, such as when you hold the phone to your ear during a phone call. Detects ambient light to determine screen brightness when **Brightness** is set to **Automatic brightness** (see *"Brightness"* on page 144), and when you take pictures with the Front camera.

Side Views
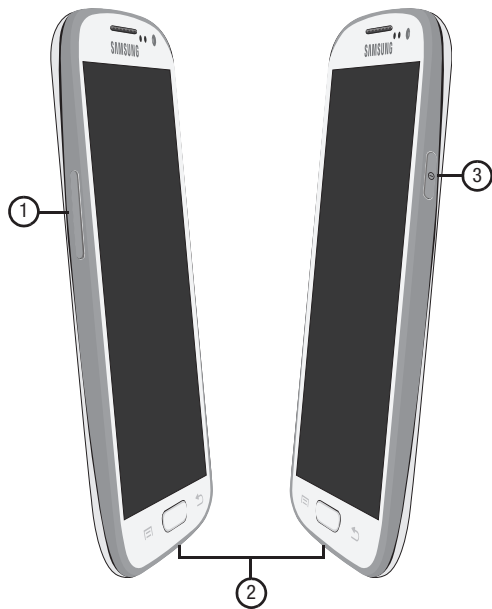
1. **Volume Key**: From the Home screen, touch to adjust Master Volume. During calls or music playback, press to adjust volume. Press to mute the ringtone of an incoming call.

2. **USB Power/Accessory Port**: Connect a USB cable for charging or to sync music and files.

3. **Power/Lock Key**: Press and hold to turn the phone on or off. Press to lock the phone or to wake the screen for unlocking.

Back View

1. **Noise cancelation microphone**: Captures background noise that the phone uses to produce a quiet background during calls and video chats.

2. **Camera Flash**: Use when taking photos.

3. **8 Megapixel Camera Lens**: Use when taking photos or recording videos.

4. **External Speaker**: Play ringtones, call audio when in Speakerphone mode, media sounds (music and video), and other sounds.

5. **3.5mm Headset Jack**: Plug in an optional headset or TTY equipment.

Navigation

Navigate your phone's features using the command keys and the touch screen.

Warning! A touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, see *"Warranty Information"* on page 190.

Context-sensitive Menus

While you use your phone, context-sensitive menus offer options for the feature or screen currently in use.

To access context-sensitive menus:

- Touch ▭ **Menu**.
- Touch and hold on an item.

Command Keys

Menu Key

Touch ▭ **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Press the ⬭ **Home Key** to display the Home screen.

Press and hold the ⬭ **Home Key** to launch Task Manager or to launch a menu of recent applications.

Back Key

Touch ⬑ **Back** to return to the previous screen, option, or step.

Motions

Finger Motions

Touch

Touch items to select or launch them. For example:

- Touch the on-screen keyboard to enter characters or text.
- Touch an item to select it.
- Touch an application icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget or icon on the Home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe

Swipe your finger vertically or horizontally across the screen. For example:

- Unlock the screen.
- Scroll the Home screen or a menu.
- Combine touch and hold with swipe to drag an item to a new location.

Pinch

Using two fingers, make a pinch motion on the screen. For example:

- Pinch outward to zoom in on pictures or screens.
- Pinch inward to zoom out on pictures or screens.

Motions

Your phone recognizes motion to allow you to navigate and access features by moving the phone in specific patterns.

To use motions to control your phone, enable the **Motion** settings. (For more information, see *"Motion"* on page 146.)

• **Direct call**: When this option is set to On, you can lift the phone to your ear to call a contact displayed in a Messaging, Contacts, or Call Log screen.

• **Smart alert**: When this option is set to On, you can lift the phone to automatically receive notification of missed calls, messages, and alerts that occurred while the phone was stationary.

• **Double tap to top**: When this option is set to On, a double tap on the top of the phone takes you to the top of the list.
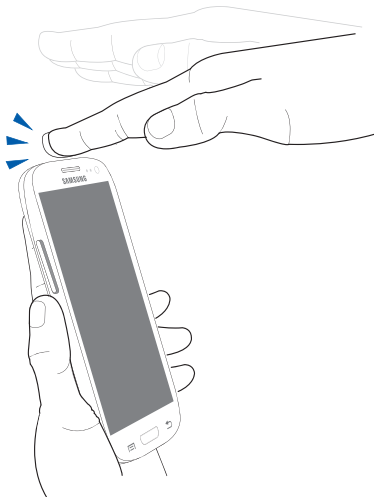
• **Tilt to zoom**: When this option is set to On, touching and holding with your thumbs on the screen while in Gallery or Internet, then tilting the phone forward and back, causes the screen to zoom in or out.
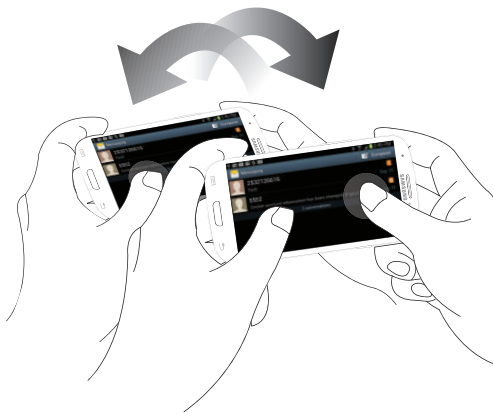
• **Pan to move icon**: When this option is set to On, touching and holding on the screen, then moving the phone in a side-to-side motion, moves a highlighted icon to a new location on the Home screen.
• **Pan to browse images**: When this option is set to On, moving the phone in a panning motion while viewing an image moves focus around in the image.
• **Shake to update**: When this option is set to On, shaking the phone causes Bluetooth or Wi-Fi screens to scan for devices.
• **Turn over to mute/pause**: When this option is set to On, turning the phone screen-down automatically mutes incoming call ringtones and alerts sounds.
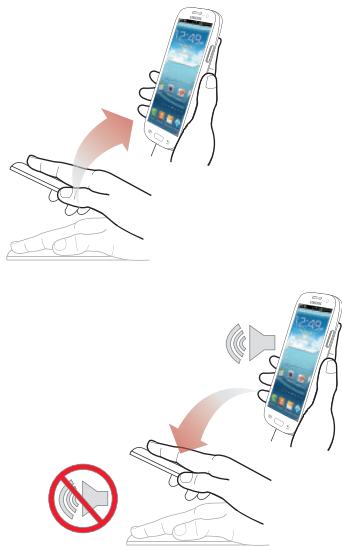
Hand motions

Use your hand to swipe across the screen, or cover the screen.

• **Palm swipe to capture**: When this option is set to On, swiping the screen with the side of your hand (left to right, or right to left) captures a screen shot.

• **Palm touch to mute/pause**: When this option is set to On, covering the screen with your hand mutes or pauses media playback.

Notifications

The Notification area indicates new message events (data sync status, new messages, calendar events, call status, etc). You can expand this area to reveal the Notifications screen that provides more detailed information about the current on-screen notification icons.

Opening the Notifications Screen

1. In a single motion, touch and drag the Status bar down to the bottom of the screen to display notifications.

2. Touch a notification entry to open the associated application.

3. Touch **Clear** to clear all Notifications.

Settings

Use settings at the top of Notifications to control popular settings. Slide your finger right and left to see all the icons.

• **Wi-Fi**: Turn Wi-Fi On or Off. For more information about using Wi-Fi, see *"Wi-Fi"* on page 118.

• **GPS**: Turn Standalone GPS services on or off. For more information, see *"Location services"* on page 151.

• **Sound**: Touch to switch between your sound settings and the two Silent modes, Mute and Vibrate.

• **Screen rotation**: Enable or disable the Auto rotation setting to control whether the screen automatically updates when you rotate the phone. For more information, refer to *"Auto-rotate screen"* on page 145..

• **Power saving**: Enable or disable Power saving mode. For more information, refer to *"Power saving"* on page 148..

• **Notification**: Enable or disable playing of alert tone for new Notifications. For more information, refer to *"Default notifications"* on page 142..

• **Mobile data**: Activate or deactivate your phone's access to mobile data. For more information, see *"Turning Mobile data On or Off"* on page 133.

• **Bluetooth**: Turn Bluetooth On or Off. For more information about using Bluetooth, see *"Bluetooth"* on page 123.

• **Driving mode**: Enable or disable Driving mode, to have incoming caller ID and text messages read out. For more information, see *"Speech"* on page 159.

• **Sync**: Enable or disable synchronization with your accounts.

Clearing Notifications

1. Sweep your finger downward from the top of the screen to display Notifications.
2. Touch a notification to clear it or to launch an application.

    – or –

    Touch **Clear** to clear all notifications

Home Screen

The Home screen is the starting point for using your phone.

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's Settings.

1. **Status bar**: Presents icons to show network status, battery power, and connection details. For a list of icons, see *"Status Bar Icons"* on page 29.

2. **Home screen**: The starting point for using your phone. Place shortcut icons, widgets, and other items to customize your phone to your needs. For more information, see *"Home Screen"* on page 28.

3. **Primary shortcuts**: Shortcuts to your phone's common apps. For more information, see *"Primary shortcuts"* on page 36.

4. **Panel indicator**: Indicates which of 7 available Home screen panels displays on the screen.

5. **Shortcuts**: Shortcuts to common apps.These shortcuts are found on the Home screen by default, and you can add more shortcuts to your favorite applications. For more information, see *"Shortcuts"* on page 37.

6. **Widgets**: Apps that run on the Home screen. These widgets are found on the Home screen by default, and you can add your favorites. For more information, see *"Widgets"* on page 37.

Status Bar Icons

The Status bar shows network and battery status and other details.

Airplane Mode Active: All wireless communications are disabled. See *"Airplane mode"* on page 134.

USB Connected: The phone is connected to a computer using a USB cable.

Voice Call: A voice call is in progress.

Speakerphone: Speakerphone is enabled.

Missed Call: There is a missed call.

Mute: Voice or playback volume is muted.

Battery Level: Battery is fully charged.

Battery Charging: Battery is charging.

Device Power Critical: Battery has very little power remaining. Charge immediately.

GPS E911 Only: E911 location is active (cannot be turned off).

GPS Location Active: One or more GPS location services are active. See *"Location services"* on page 151.

Missing SIM: No LTE SIM is installed.

No Network: No wireless network is available.

3G connection: Phone is active on a 3G system.

4G LTE Connection: Phone is active on a 4G LTE system.

Signal Strength: Current signal strength. The greater the number of bars, the stronger the signal.

New Message: You have new message(s).

New Voicemail: You have new voicemail. A number indicates the number of new messages.

New Email Message: You have new email.

Silent mode: All sounds except media and alarms are silenced, and Vibrate is not active.

Vibrate: All sounds are silenced, and Vibrate is active. See *"Device vibration"* on page 142.

SD Card Ready: A memory card scan is underway to prepare the card for use.

SD Card Removed: A memory card was uninstalled.

Bluetooth Active: Bluetooth is turned on.

Bluetooth Connected: Your phone is connected with another Bluetooth device.

Wi-Fi Active: Wi-Fi is active, and connected to a Wi-Fi network.

Wi-Fi Action Needed: Action is needed to connect to Wi-Fi network. For more information about configuring Wi-Fi, see *"Wi-Fi Settings"* on page 130.

TTY: TTY Mode is active.

Application Icons

The Apps menu provides quick access to the items that you use most frequently.

The following table contains a description of each application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

1. From the Home screen, touch Apps, then touch one of the application icons.

2. Follow the on-screen application instructions.

The following applications are available:

Display settings

AllShare Play: Share your favorite videos, photos, and music across your connected devices (Smart TV™, laptop, tablet, or Smart Phone). For more information, refer to *"AllShare Play"* on page 92..

Calculator: The calculator provides the basic arithmetic functions to solve simple arithmetic problems and advanced operators to solve more complex problems. For more information, refer to *"Calculator"* on page 93..

Calendar: Record events and appointments to manage your schedule. For more information, refer to *"Calendar"* on page 94..

Camera: Take photos or record videos. A shortcut to Camera appears on the Home screen by default. For more information, refer to *"Camera"* on page 95..

ChatON: Interact with friends and family and instantly share with text, images, hand-written notes, and video. You can also chat in groups. For more information, refer to *"ChatON"* on page 73..

Chrome: Use the Google Chrome web browser on your phone. For more information, refer to *"Chrome"* on page 96..

Clock: Access alarms, view the World Clock, set a stopwatch, use a timer, and set up a Desk Clock. For more information, refer to *"Clock"* on page 96..

Contacts: Save and manage contact information for your friends and colleagues. For more information, refer to *"Contacts"* on page 44..

Downloads: Store files, applications, and other items that you download in Browser, Gmail, Email, or in other ways, on your phone's internal storage. View, reopen, or delete what you have downloaded. For more information, refer to *"Downloads"* on page 97..

Dropbox: Synchronize information from the Dropbox folder across all of your connected devices on this account. For more information, refer to *"Dropbox"* on page 97..

Email: Send and receive email from your phone. For more information, refer to *"Email"* on page 71..

Flipboard: Create a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. For more information, refer to *"Flipboard"* on page 98..

Gallery: View and manage photos stored on your phone. For more information, refer to *"Gallery"* on page 89..

Game Hub: Play, connect, and share games on compatible Samsung Android devices. see *"Game Hub"* on page 98.

Gmail: Send and receive email with Gmail, Google's web-based email. For more information, refer to *"Gmail"* on page 72..

Google+: Google+ makes messaging and sharing with your friends a lot easier. Set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to *"Google+"* on page 74..

Internet: Your phone is equipped with a full HTML Browser, which allows you to access the internet. **For more information, refer to** *"Internet"* **on page 113.**

Kies air: Wirelessly synchronize files on your phone (in mass storage and on a memory card) with files on your Windows PC, provided they are both on the same Wi-Fi network. View and share call logs, videos, photos, music, bookmarks, and ringtones, and even send SMS messages from your PC. For more information, refer to *"Kies air"* on page 126..

Latitude: Locate your friends on a map and share or hide your location. For more information, refer to *"Latitude"* on page 99..

Local: Find places of interest, and add your own favorite places. For more information, refer to *"Local"* on page 100..

Maps: Find locations and get directions. A shortcut to Maps displays on the Home screen by default. For more information, refer to *"Maps"* on page 100..

Media Hub: Browse the latest movies and TV shows, and then rent or purchase the media for viewing on your phone. For more information, refer to *"Media Hub"* on page 76..

Messaging: Send and receive different types of messages. For more information, refer to *"Messaging"* on page 67..

Messenger: Bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone. For more information, refer to *"Messenger"* on page 74..

Mobile Web: Use your phone to access the Web. For more information, refer to *"Mobile Web"* on page 101..

More services: Access additional Samsung Apps and services. Works in conjunction with Samsung Apps. For more information, refer to *"More Services"* on page 102..

Music Player: Play music and other audio files that you copy from your computer. For more information, refer to *"Music Player"* on page 76..

My Account: Display information about your Cricket account. For more information, refer to *"My Account"* on page 102..

My files: Find, view, and manage files stored on your tablet. For more information, refer to *"My Files"* on page 102..

MyBackup: Automatically back up your Contact information to a server provided by your wireless provider. For more information, refer to *"MyBackup"* on page 102..

Navigation: Search for locations, with turn-by-turn directions. For more information, refer to *"Navigation"* on page 103..

Phone: Access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 53..

Play Books: Find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore. For more information, refer to *"Google Play Books"* on page 82..

Play Magazines: Subscribe to your favorite magazines and have them available to read on your phone any place, any time. For more information, refer to *"Google Play Magazines"* on page 82..

Play Movies & TV: Rent thousands of different movies. Watch instantly, or download your movie for offline viewing later. For more information, refer to *"Google Play Movies & TV"* on page 82..

Play Music: While online, play music that you have added to your music file as well as any music that you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to *"Google Play Music"* on page 83..

Play Store: Browse, download, and install Android applications. A shortcut to Market appears on the Home screen by default. For more information, refer to *"Play Store"* on page 104..

S Memo: The S Memo application allows you to create memos using the keypad. For more information, refer to *"S Memo"* on page 105..

S Suggest: Get recommendations for popular applications when connected to a Wi-Fi network. All recommended applications are compatible with your phone. For more information, refer to *"S Suggest"* on page 107..

S Voice: Use your voice to perform operations that normally are performed using touch operation such as as dialing a phone number, sending a text message, playing music, and more. For more information, refer to *"S Voice"* on page 107..

Samsung Apps: Download an abundance of applications to your phone. Includes games, news, reference, social networking, navigation, and more applications. For more information, refer to *"Samsung Apps"* on page 108..

Search: Search the internet and your phone. A shortcut to Google Search appears on a Home screen by default. For more information, refer to *"Search"* on page 108..

Settings: Configure the phone to your preferences. For more information, refer to *"Settings"* on page 129..

Storefront: Purchase Ringback Tones, Graphics, Widgets, Tones, or Games & Apps. For more information, refer to *"Storefront"* on page 108.

Talk: Chat with other Google Talk users. For more information, refer to *"Google Talk"* on page 73..

Video Player: Play and manage videos stored on your tablet. For more information, refer to *"Video Player"* on page 83..

Voice Recorder: Record an audio file up to one minute long and then immediately send it as a message. For more information, refer to *"Voice Recorder"* on page 75..

VPN Client: Allows you to set up and manage VPN connections. For more information, refer to *"VPN Client"* on page 110..

YouTube: View and upload YouTube videos from your phone. A shortcut to YouTube displays on the Home screen by default. For more information, refer to *"YouTube"* on page 90..

You can customize display settings to your preferences. For more information, refer to *"Display"* on page 144..

Extended Home Screen

The Home screen consists of the Home panel, plus panels that extend beyond the display width to provide more space for adding shortcuts, widgets, and folders.

Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the bottom of the display shows your current position.

Customizing the Home Screen

Customize the Home screen to suit your preferences.

- **Add Shortcuts**: For more information, see *"Shortcuts"* on page 37.
- **Add Widgets**: For more information, see *"Widgets"* on page 37.
- **Add Folders**: For more information, see *"Folders"* on page 38.
- **Change the Wallpaper**: For more information, see *"Wallpaper"* on page 38.

Adding and removing Home screen panels

Your phone comes with 7 Home screen panels. You can customize the Home screen to include up to the seven default panels and set one panel as Home.

1. From the Home screen, touch ▤ **Menu > Edit page**.

2. Slide your finger across the screen to scroll the panels. Use these controls to configure panels:

   🗑 **Delete**: Touch and hold on a panel and drag it to **Delete**.

   ⊕ **Add**: Touch a previously-removed panel to add it, up to the default total of seven.

   ⌂ **Set as Home**: Touch to assign a panel as the Home screen. The panel set as Home displays when you press the ⬡ **Home** key.

Tip: You can also "pinch" the Home screen to display Edit options.

Primary shortcuts

Primary shortcuts display at the bottom of the display. You can edit the Primary shortcuts, except for ▦ **Apps**.

Editing the Primary shortcuts

To add or remove shortcuts:

■ Touch and hold a shortcut and drag it from the Primary shortcuts to the Home screen or from the Home screen to the Primary shortcuts.

To remove shortcuts:

■ Touch and hold the shortcut until 🗑 **Delete** displays, and then drag the shortcut to the **Delete** icon.

Widgets

Widgets are self-contained applications that you can place on the Home screen for quick, direct access.

Adding Widgets to the Home screen

1. From the Home screen, swipe to a Home screen panel. Touch and hold on the screen to display the **Home screen** menu.
2. Touch **Add to Home screen**. Select **Apps and widgets**.
3. Touch the **Widgets** tab; then touch a widget. Follow the prompts to configure the widget and place it on the Home screen.

Adding Widgets from Apps

1. From the Home screen, swipe to a Home screen panel.
2. Touch ▦ **Apps**, and then touch the **Widgets** tab.
3. Touch a widget. Follow the prompts to configure the widget and place it on the Home screen.

Removing Widgets

■ Touch and hold the widget until 🗑 **Delete** displays. Drag the widget to the **Delete** icon.

Shortcuts

Use Application shortcuts to launch applications from the Home screen. Your phone comes with application shortcuts already placed on the Home screen, and you can add your favorites.

Adding an Application Shortcut to the Home Screen

1. Swipe left or right to select a screen location for your new shortcut.
2. Touch ▦ **Apps** to displays all the currently available applications. By default, applications display in grid mode.
3. Scroll across the screens and locate your desired application.
4. Touch and hold the on-screen icon. The new shortcut then hovers over the current screen.

5. While still holding the on-screen icon, position it on the current screen. Release the screen to lock the shortcut into its new position.

Move and Delete Items

■ Touch and hold the item you want to move or delete and drag it to another location or to the Trash Can icon at the bottom of the screen.

Folders

Place folders on the Home screen to organize items.

Adding Folders

1. From the Home screen, touch and hold on the screen to display the **Home screen** menu. Select **Add to Home screen → Folder**.

– or –

Touch ▭ **Menu → Create folder**.

2. The folder displays on the Home screen. Touch the folder to name it.

Removing Folders

■ Touch and hold the folder until 🗑 **Delete** displays, and drag the folder to the **Delete** icon.

Wallpaper

Choose a picture to display in the background of the Home screen. You can choose from pre-loaded wallpaper images or select a picture that you have taken with the Camera or downloaded.

1. From the Home screen, touch and hold on the screen to display the **Home screen** menu. Select **Home screen**, **Lock screen**, or **Home and lock screen**.

2. Choose a source:

- **Gallery**: Choose a picture stored on your phone or on an optional installed memory card. Touch a picture to select it, and use the crop tool to resize the picture, if desired. Touch **Done** to save the picture as wallpaper.
- **Live wallpapers**: Choose from pre-loaded animated wallpaper images. Touch a wallpaper; then touch **Set wallpaper**.
- **Wallpaper**: Choose from pre-loaded wallpaper images. Touch a wallpaper; then touch **Set wallpaper**.

Note: You can also set Wallpaper in Settings. For more information, see *"Wallpaper"* on page 146.

Apps

Apps holds all applications installed on your phone. Applications that you download and install from the Google Play™ Store or from the web are also added to Apps.

The Apps screen is like the Home screen—it consists of panels that extend beyond the display width to provide more space. Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the bottom of the display shows your current position.

For more information about applications, see *"Applications and Widgets"* on page 91.

You can place shortcuts to applications on the Home screen for quick access to the application.

1. From the Home screen, touch ▦▦ **Apps**.
2. Slide your finger left or right to scroll the Applications screens.
3. Touch an icon to launch the application.

Customizing the Apps Screens
Choosing a view

By default, application icons display in Grid view. You can change the view to list view.

1. From the Home screen, touch ▦▦ **Apps.**
2. Touch ▤ **Menu ➔ View type**.
3. Choose an option:
   • **Customizable Grid**: The default view allows you to touch and hold on applications to move them from screen to screen.
   • **Alphabetical grid**: Icons are arranged in a grid, in A-Z order.
   • **Alphabetical list**: Icons are arranged in a list, sorted from A-Z.

Apps screen options

1. From the Home screen, touch ▦▦ **Apps.**
2. Touch ▤ **Menu** for options:
   • **Play Store**: Launch Google Play™ Store to browse for new applications to download.
   • **Edit**: Touch and hold an application icon for these options:
     – Drag it to a new location.
     – Drag it to ▢ to create a new folder to contain the icon.
     – Drag it to ▢ to create a new application screen and place the icon on it.

- **–** Drag it to ![i icon] to launch Application manager to view information about the application. For more information, refer to *"Application manager"* on page 149..

- **–** Drag to ![X icon] (if available) to remove the icon. The trash can is available only for applications you've installed. Pre-loaded applications cannot be removed.

• **Uninstall**: Remove an application that you downloaded from your phone. Preloaded applications cannot be uninstalled.

• **Downloaded applications**: Display all applications you've downloaded.

• **View type**: Configure the application screen.

• **Share apps**: Select applications that you have downloaded (not available for pre-loaded applications) to share using Bluetooth, ChatON, Email, Flipboard, Gmail, Google+, Messaging, S Memo, or Wi-Fi Direct.

• **Hide applications** /**Show hidden applications**: Control whether application icons are visible in Apps. Hiding an icon does not remove the application from your phone.

Section 3: Memory Card

Your phone lets you use a microSD™ (SD) or microSDHC™ card to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This section addresses the features and options of your phone's SD functionality. The phone has a USB SD card mode.

Mounting the SD Card

To store additional photos, music, videos, and other applications, you must mount (install) the SD card before use. Mounting the SD card establishes a USB connection with your computer.

1. Insert the SD card into the external, SD card slot. For more information, see *"Installing a Memory Card"* on page 9.

2. The phone scans the SD card and views the available information stored on it.

Unmounting the Memory Card

Important! To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

1. From the Home screen, touch ▤ **Menu → Settings → Storage → Unmount SD card**.

2. Remove the battery cover. (For more information, refer to *"Removing the battery cover"* on page 6..)

3. Firmly press the Memory card into the slot and carefully release the card. The card pops partially out of the slot.

4. Remove the card from the slot.

5. Replace the battery cover. For more information, refer to *"Installing the battery cover"* on page 7..

SD card Available Memory Status

To view the memory allocation for the external SD card:

1. From the Home screen, touch ☰ **Menu** ➔ **Settings** ➔ **Storage**. The **Storage** screen displays.

2. View the available memory for the device and SD card under the **Total space** or **Available space** heading.

Formatting a Memory Card

Use the Erase SD card setting to remove all content from an installed memory card.

1. From the Home screen, touch ☰ **Menu** ➔ **Settings**.

2. Under **Device**, touch **Storage**.

3. Under **SD card**, touch **Mount SD card**. (SD card must be mounted in order to format it.)

4. After mounting the SD card, touch **Format SD card**, and follow the prompts to confirm the deletion of information from the card.

Caution! Performing the next step erases all data stored on the SD card.

---

5. Tap **Delete all** to format the SD card.

Section 4: Accounts and Contacts

Accounts

Your phone provides the ability to synchronize information from a variety of accounts, including Email, Facebook, Google, and your Samsung account. Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

Contacts from your accounts display in your phone's Contacts.

With synchronization, you can ensure that information on your phone is updated with any information that changes in your accounts.

Controlling Synchronization

You can have your phone automatically synchronize with your accounts, or you can manually synchronize each account when you want to check messages.

You may also choose to limit automatic or background synchronization to extend battery life.

1. From the Home screen, touch ▭ **Menu → Settings**.
2. Under **Personal**, touch **Accounts and sync**.
3. To control synchronization:

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• Slide **Accounts and sync** [O] to the right to allow synchronization automatically, at any time.

• Slide **Accounts and sync** [I] to the left to disable automatic synchronization.

   With automatic synchronization disabled, you can manually sync accounts with the **Sync** option available in each account.

Tip: You can also control synchronization from Notifications with the Sync toggle. For more information, refer to *"Notifications"* on page 26..

Setting Up Your Accounts

Set up and manage your accounts with the **Accounts and sync** settings.

For information about setting up other, non-synchronized, email accounts, see *"Configuring Email Accounts"* on page 71.

Tip: For more information on setting up your email, contact your wireless provider.

Adding an account

1. From the Home screen, touch ☰ **Menu → Settings**.
2. Touch **Accounts and sync → Add account**.
3. Select an account provider. Follow the prompts to enter your credentials and sign in.
4. The phone communicates with the provider's server to set up your account on the phone.

Managing accounts

1. From the Home screen, touch ☰ **Menu → Settings**.
2. Under **Personal**, touch **Accounts and sync**.
3. Select an account, and touch a setting to enable or disable synchronization. A check mark displays to indicate activation.

Contacts

To access Contacts:

■ From the Home screen, touch 👤 **Contacts**.

Contact tips:

• Swipe your finger left to right across a contact to make a call to the contact.

• Swipe right to left across a contact to create a message addressed to the contact.

Adding Contacts

1. From the Home screen, touch 👤 **Contacts →** ➕ **Add contact**.
   • If you have defined accounts (Google, Samsung, and so on), the **Save contact** pop-up displays:
   • If you have not defined any accounts, the **Save contact** pop-up displays. The following options are available:
     – **OK**: Saves your contacts in "my device contacts."
     – **Add new account**: Lets you define an account to which your phone saves your contacts. The **Add new account** screen displays. (For more information, refer to *"Setting Up Your Accounts"* on page 43..)
2. At the **Save contact to** prompt, select a save option for the contact (available options depend on accounts you define to your device):
   • **Samsung account**: Save to your Samsung account.
   • **ChatON:** Save to your ChatON account.
   • **Google**: Save to your Google account.
   • **Microsoft Exchange ActiveSync**: Save to your Corporate account.

3. Touch contact fields to enter information:

- Touch 🔲 **Contact Photo** to choose a picture to identify the contact.

- Touch **Name** to enter a name for the contact. Touch ✓ to enter **Name prefix**, **First name**, **Middle name**, **Last name,** or **Name suffix**.

- Touch **Phone number** to enter a phone number. Touch the **Label** button to choose a label, from **Mobile**, **Home**, **Work**, **Work Fax**, **Home Fax**, **Pager**, **Other**, **Custom**, or **Callback**. Touch ➕ to add another number.

- Touch **Email address** to enter an email address. Touch the **Label** button to choose a label, from **Home**, **Work**, **Other**, or **Custom** to create a new label. To add an address, touch ➕.

- Touch **Address** to enter an email address. Touch the **Label** button to choose a label, from **Home**, **Work**, **Other**, or **Custom** to create a new label. To add an address, touch ➕.

- Touch ➕ next to **Events** to enter a special date. Touch the **Label** button to choose a label, from **Birthday**, **Anniversary**, **Other**, or **Custom** to create a new label.

- Touch **Groups** to assign the contact to a group. For more information about Groups, see *"Groups"* on page 50.

- Touch **Ringtone** to choose a ringtone for the contact.

- Touch **Vibration pattern** to choose a vibration pattern to play along with the ringtone when this contact calls or sends you a message.

- Touch **Add another field** to add more fields, including **Phonetic name**, **Organization**, **IM**, **Notes**, **Nickname**, **Website**, or **Relationship**.

4. Touch **Save** when you finish entering information.

Creating Contacts from Recent calls

Save a phone number from a recent call to create a new contact or update an existing contact.

Creating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, then save it.

1. From the Home screen, touch 📞 **Phone**.

2. Touch the digits of the phone number on the **Keypad**.

3. Touch **Add to Contacts**. Select **Create contact** from the pop-up menu.

4. Continue entering contact information. For more information, see *"Adding Contacts"* on page 44.

Tip: While entering a phone number, you can add waits or pauses. Enter the number up to the pause or wait; then touch ▤ **Menu** to select **Add 2 sec pause** or **Add wait**.

Updating Contacts

Make changes to update an existing contact.

1. From the Home screen, touch 🔲 **Contacts**.
2. Touch a contact to view its information. Touch 🖉 **Edit**.

    – or –

    Touch and hold a contact, and select **Edit** from the menu.

3. Continue entering contact information. For more information, see *"Adding Contacts"* on page 44.

Updating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, then save it.

1. From the Home screen, touch 📞 **Phone**.
2. Touch the digits of the phone number on the **Keypad**.
3. Touch **Add to Contacts**, and select **Update existing** from the pop-up menu.

4. Select a contact to update, and continue entering contact information. For more information, see *"Adding Contacts"* on page 44.

Updating Contacts from Recent calls

Save a phone number from a recent call to create a new contact or to update an existing contact.

Choosing Contacts to Display

1. From the Home screen, touch 🔲 **Contacts**.
2. Touch ▤ **Menu**, then touch **Contacts to display**:
    • Choose **All contacts** to show all contacts.
    • Choose an account to display contacts from that account only.
    • Touch **Phone** to show only contacts saved to the phone.
    • Choose **Customized list** to select contact types for each account or for the phone.

Contacts Settings

1. From the Home screen, touch 🔲 **Contacts**.
2. Touch 🔲 **Menu**, and then touch **Settings**:
   • Select **Only contacts with phones** to show contacts with at least one stored phone number.
   • Touch **List by** to sort contacts by first or last name.
   • Touch **Display contacts by** to list contacts by first or last name.
   • Touch **Send contact** to set your preference for transferring contacts by Bluetooth contacts. For more information about sending contacts, see *"Sending Namecards (vCards)"* on page 49.

Other Contacts Options

1. From the Home screen, touch 🔲 **Contacts**.
2. Touch a contact to display it; then touch 🔲 **Menu**:
   • **History**: View calls and messages to and from this contact.
   • **Edit**: Modify contact information. For more information, see *"Updating Contacts"* on page 46.
   • **Delete**: Erase the contact record.
   • **Join contact/Separate contact**: Manage multiple contacts as one. For information, see *"Joining Contacts"* on page 48.

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• **Mark as default**: Set a default phone number or other field (such as IM or email address). Defaults are the contact method used when creating a message or calling a contact. You can also set a default by touching and holding on a contact field.
• **Share namecard via**: Send the namecard. For information, see *"Sending Namecards (vCards)"* on page 49.
• **Add to reject list**: Mark the contact so that calls or messages from the contact are rejected automatically. To remove a contact form the reject list, touch and hold on the contact in the main contacts screen, and choose **Remove from reject list**.
• **Print namecard**: Print the namecard via Bluetooth to a compatible Samsung Bluetooth-enabled printer.

My Local Profile

My local profile is your own contact record, listed under **ME** in Contacts. You can send My local profile as a vCard via Bluetooth or as an attachment.

Creating My Local Profile

1. From the Home screen, touch 🔲 **Contacts**.
2. Under **ME** touch **Set up profile**.
3. Enter your information in the contact fields. For more information, refer to *"Adding Contacts"* on page 44..

Sending My Local Profile

You can send your profile as a vCard via Bluetooth to other Bluetooth devices, or as an attachment.

1. From the Home screen, touch **Contacts**.
2. Touch your profile to display your contact information.
3. Touch **Menu**; then touch **Share namecard via**.
4. Choose a sending method; then follow the prompts to send the profile.

Joining Contacts

Your phone can synchronize with multiple accounts, including Google, Corporate, and other providers, plus social networking sites like Facebook. When you synchronize contacts from these accounts with your phone, you may have multiple contacts for one person.

Joining contact records allows you to see all the contact's numbers and addresses together. Joining also helps you keep your contacts updated, because any changes to information in the respective accounts is automatically updated the next time you synchronize with the account.

Joining contacts

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display its information.

3. Touch **Menu**; then touch **Join contact**. A list of available contacts displays.
4. Select a contact to join to the displayed contact. The joined contact displays.
5. To join another contact, touch the **Connection** field. The Joined contact screen displays.

   Touch **Join another contact**. A list of available contacts displays.

   Select a contact to join to the displayed contact. The joined contact displays.

Separating contacts

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display its information.
3. Touch the **Connection** field to display joined contacts.
4. Touch ● to the right of a contact to remove it from the selected joined contact.

Exporting and Importing Contacts

You can export your contact list to an installed memory card, or import a list of contacts (previously exported) from a memory card.

1. From the Home screen, touch **Contacts**.

2. Touch **Menu**; then touch **Import/Export**.

3. Select an option, and follow the prompts to complete the operation:

   • **Import from USB storage**: Copy contacts that are saved in installed mass storage.

   • **Export to USB storage**: Copy contacts to installed mass storage.

   • **Import from SD card**: Copy contacts that are saved on a SD card.

   • **Export to SD card**: Copy contacts to a SD card.

   • **Import from SIM card**: Copy contacts that are saved on an installed memory card.

   • **Send namecard via**: Share contacts as vCards. For more information, see *"Sending Namecards (vCards)"* on page 49.

Sending Namecards (vCards)

You can send a contact namecard as a vCard via Bluetooth to other Bluetooth devices, or as an attachment via Gmail or Email.

Important! Not all Bluetooth devices accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From the Home screen, touch **Contacts**.

2. Touch **Menu**; then touch **Import/Export → Send namecard via**.

3. Touch contacts to mark them for sending, or touch **Select all** to mark all contacts. A check mark displays for marked contacts.

4. Touch **Done**. At the prompt, choose a sending method, then follow the prompts to send the namecard:

   • **Bluetooth**: For more information about sending via Bluetooth, see *"Bluetooth"* on page 123.

   • **ChatON:** For more information about sending via ChatON, see *"ChatON"* on page 73.

- **Dropbox**: For more information about sending via Dropbox, see *"Dropbox"* on page 97.

- **Email**: For more information about sending email, see *"Email"* on page 71.

- **Gmail**: For more information about sending Gmail, see *"Composing and Sending Gmail"* on page 72.

- **Messaging**: For more information about sending messages, see *"Creating and Sending Messages"* on page 67.

- **Wi-Fi Direct**: For more information about using Wi-Fi Direct, see see *"Wi-Fi Direct"* on page 120.

Favorites

Mark contacts with a ⭐ star to identify them as Favorites.

Favorites display on the **Favorites** tab in the **Phone** and **Contacts** screens for fast dialing or messaging, and are indicated by the ⭐.

Creating Favorites

1. From the Home screen, touch 🔲 **Contacts**.

2. Touch and hold on a contact, and select **Add to Favorites** from the pop-up menu.

   – or –

   Touch a contact to display it, and then touch ☆ at the top right of the screen. The icon changes color to ⭐.

Groups

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members. Your phone comes with pre-loaded groups you can use to add your contacts.

Adding a New Group

1. From the Home screen, touch 🔲 **Contacts →** 🔲 **Groups**.

2. Touch ▤ **Menu →** 🔲 **Create**, and enter information:

   - Touch **Group name** to enter a Group Name.

   - Touch **Group ringtone** to choose a ringtone for calls from members of this group.

   - Touch **Vibration pattern** to choose a vibration to play for calls from members of this group.

Accounts and Contacts   50

- Touch **Add member** to select members from Contacts.

3. Touch **Save** to save the new group.

Editing a Group

1. From the Home screen, touch 🔲 **Contacts →**
   Groups.

2. Touch a Group to display it.

3. Touch 🔳 **Menu → Edit**, and update information for the group. For more information, see *"Adding a New Group"* on page 50.

Deleting a Group

1. From the Home screen, touch 🔲 **Contacts →**
   Groups.

2. Touch 🔳 **Menu → Delete**.

3. Touch a Group to mark it for deletion, or touch **Select all** to mark all groups. A check mark displays to indicate selection. You cannot delete pre-loaded groups.

4. Touch **Delete**, and choose **Group only** or **Group and group members**.

Adding Contacts to a Group

1. From the Home screen, touch 🔲 **Contacts →**
   Groups.

2. Touch a Group to display it; then touch 🔲.

3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all contacts. A check mark displays to indicate selection.

4. Touch **Done** to add the selected contact(s).

Removing Contacts from a Group

1. From the Home screen, touch 🔲 **Contacts →**
   Groups.

2. Touch a Group to display it.

3. Touch 🔳 **Menu → Remove member**.

4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. A check mark displays to indicate selection.

5. Touch **Done** to remove the selected contact(s).

Sending a Message to Group Members

Create a new text or email message, addressed to the group's members.

1. From the Home screen, touch 🔲 **Contacts → Groups**.

2. Touch and hold a Group. Touch **Send message** or **Send email**.

3. Touch contacts to mark them as recipients for the new message, and touch **Done**.

4. The new message opens, with the marked contacts as recipients. Continue creating the message, as desired. For more information, see *"Creating and Sending Messages"* on page 67, or see *"Composing and Sending Email"* on page 71.

Speed Dials

Speed dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.

For more information about calling using speed dials, see *"Making Calls using Speed Dials"* on page 53.

Note: Some speed dials are reserved by default, and cannot be assigned:
Speed dial 1 is reserved for Voicemail.
Speed dial 100 is reserved for Directory Assistance.

Assigning Speed Dials

1. From the Home screen, touch **Contacts**.

2. Touch **Menu**, and touch **Speed dial setting**.

3. A list of speed dials displays.Touch a speed dial, then touch a contact to assign the speed dial to the contact.

Removing or Reassigning a Speed Dial

1. From the Home screen, touch **Contacts**.

2. Touch **Menu**, and touch **Speed dial setting**.

3. Touch and hold an assigned Speed dial setting. The following options pop up:

- **Replace**: Touch a new speed dial location to assign it to a new contact.
- **Remove**: Unassign the speed dial from the contact.

Section 5: Call Functions

Making Calls

Your phone offers multiple ways to make calls:

- Use the touch screen **Phone Keypad** to enter the phone number or speed dial.
- Call a contact from **Contacts**.
- Call a contact from **Favorites**.
- Return a call, or call a recent caller, from **Recent**.
- Voice dial using **Voice Dialer**.

Making Calls Using the Phone Keypad

1. From the Home screen, touch 📞 **Phone**.
2. Touch the digits of the telephone number using the **Keypad**.
3. Touch 📞 to place a call.

Making Calls using Speed Dials

Speed Dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.

For more information about setting speed dials, see *"Speed Dials"* on page 52.

1. From the Home screen, touch 📞 **Phone**.
2. Touch the digits of the speed dial number on the **Keypad**, holding the last digit until the number dials.

Making Calls from Contacts

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest.

For more information, see *"Contacts"* on page 44.

1. From the Home screen, touch 👤 **Contacts**.
2. Swipe your finger from left to right across the contact to dial their default number.

   – or –

   Touch a contact to open the entry, and touch 📞 to dial the number.

Making Calls using S Voice

Place a call by speaking the name or number.

1. From the Home screen, touch 📞 **Phone**, and then touch 🔊 **Voice Dialer**.

2. The first time you access S Voice, follow the prompts to confirm the license agreement and to view information about S Voice.

3. Follow the prompts to speak a command. You can say commands such as:

   • **Call <Name >**: Call an entry in your Contacts list.

   • **Dial <Phone number>**: Call a spoken phone number.

   • **Redial**: Repeat a recent call.

Making Calls using Favorites

Favorites are contacts that you designate as favorites by starring them. For more information about creating favorites, see *"Favorites"* on page 50.

1. From the Home screen, touch 📞 **Phone**.

2. Touch ⭐ **Favorites** to display favorites.

3. Swipe your finger from left to right across the contact to dial their default number.

   – or –

   Touch a contact to open the entry, and then touch 📞 to dial the number.

Making Calls from Recent calls

Return a call, or call a number from a recent call stored in Recent calls.

For more information, see *"Call Logs"* on page 56.

Multi-party Calling

Use multi-party call features to set up a call between multiple callers, such as for a conference call.

1. Establish the first call by answering an incoming call or making a call.

2. Touch **Add call**. The first call is placed on hold.

3. Make the second call by touching the phone number digits; then press 📞 .

4. Touch Merge to merge the calls into one conference call.

5. To end the call, touch 📞 .

Answering Calls

You can answer incoming calls when the phone is locked or unlocked.

- Touch and drag the 📞 **Answer** icon to the right.
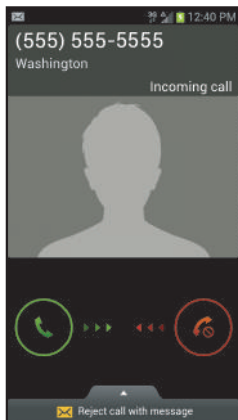
Tip: To silence the ringtone for an incoming call, press the **Volume** key Down.

Sending Calls to Voicemail

When your phone alerts you to an incoming call, you can reject the call to send the caller to voice mail, or you can reject the call and send a message to the caller.

Rejecting a call

- Touch and drag the 📵 **Reject** icon to the left.

Rejecting a call with a message

- Touch and drag **Reject call with message** toward the middle of the screen. Select an existing message or **Create new message**.

Note: For more information about creating reject messages, see *"Set reject messages"* on page 58.

Answering Call-Waiting Calls

When you receive a call while on a call:

• Touch and drag the 📞 **Answer** icon to the right to answer the incoming call. The original call is placed on hold and remains on hold until you end the second call or swap calls back to the original call.

• Touch **Swap** to place a call on hold and return to the original call.

Options During a Call

While in a call, you can use these features:

• **Add call**: Display the Dialer to set up a multi-party call.

• **Keypad**: Display a keypad to enter numbers.

• **End call**: End the phone call.

• **Speaker**: Enable or disable speakerphone.

• **Mute**: Mute or unmute your voice on the call.

• **Headset**: Switch the call's audio to a Bluetooth headset.
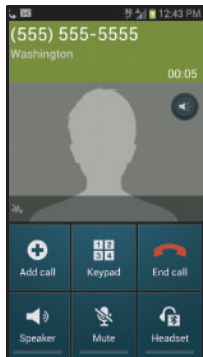
• Touch ▤ **Menu** for options:

– 👤 **Contacts**: Launch Contacts.

– ▤ **Memo**: Launch S Memo to take notes in text or to create a drawing.

– 🔇 **Noise reduction on/Noise reduction off**: Enable or disable noise reduction to improve call audio quality in noisy environments.

– 🎚 **In-call sound EQ**: Apply a sound equalizer to the call audio, in cases where you might need the sound softer, clearer, or optimized for your right or left ear.

Ending a Call

■ Touch 📵.

Call Logs

When you place, answer, or miss a call, a record of the call is saved in Recent calls.

Accessing the Call Log

■ From the Home screen, touch 📞 **Phone** ➔ 🕓 **Logs** to display recent calls.

Making Calls using Call Logs

1. From the Home screen, touch 🟢 **Phone**.
2. Touch 🔵 **Recent Logs** to display recent calls.
3. Swipe your finger from left to right across the call to redial.

   – or –

   Touch a call, and touch 🔵 to dial the number.

Sending Messages Using Call Logs

1. From the Home screen, touch 🟢 **Phone** →
   🔵 **Recent Logs**.
2. Swipe your finger from right to left across the call.

   – or –

   Touch a call; then touch 🟠 to create a message to send to the number.

Creating or Updating Contacts Using Call Logs

1. From the Home screen, touch 🟢 **Phone** →
   🔵 **Recent Logs**.
2. Touch and hold on a call; then select **Add to Contacts** from the pop-up menu.
3. Choose **Create contact** or **Update existing**.

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4. Continue entering contact information. For more information, see *"Contacts"* on page 44.

Managing Call Logs

Deleting records

1. From the Home screen, touch 🟢 **Phone** →
   🔵 **Recent Logs**.
2. While viewing the calls, touch ▤ **Menu**; then touch **Delete**.
3. Touch call records to mark them for deletion, or touch **Select all**. A check mark indicates selection.
4. Touch **Delete** to delete marked records.

Filtering records

1. From the Home screen, touch 🟢 **Phone** →
   🔵 **Recent Logs**.
2. While viewing the calls, touch ▤ **Menu**; then touch **View by**.
3. Select a filter type, from All logs, **All calls and messages**, **All calls, Missed calls**, **Dialed calls**, **Received calls**, **Rejected calls**, **All messages**, **Sent messages**, or **Received messages**.

Viewing call durations

View the length of the Last call, all Dialed calls, all Received calls, or All calls.

1. From the Home screen, touch 📞 **Phone** →
   🔴 **Logs**.

2. While viewing calls, touch 🔲 **Menu**, and then touch **Call duration**.

3. While viewing call durations, you can reset each duration to zero.
   • Touching 🔲 **Menu**, and then touch **Reset**.

Call Settings

Configure settings for calling with your phone.

Call rejection

Create and manage a list of phone numbers to have your phone automatically reject calls you receive from those numbers.

1. From the Home screen, touch 📞 **Phone** →
   🔲 **Menu** → **Call Settings** → **Call Rejection**.

2. Select **Call rejection** for these options:
   • **Auto reject mode**: Slide **Auto reject mode** to the right to turn Auto reject On, or slide **Auto reject mode** to the left to turn Auto reject Off. When On, calls from numbers on the Auto reject list are rejected.
   • **Auto reject list**: Enter telephone numbers to reject when Auto reject mode is **ON**. Turn on **Unavailable** to reject calls with no caller ID. Touch **Create**. Follow the prompts to enter numbers to reject, or select them from Contacts. Touch **Match criteria** to set options for using the reject number list.

Set reject messages

Create and manage text messages to send to callers when you select **Reject call with message** in the **Incoming call** screen.

1. From the Home screen, touch 📞 **Phone** →
   🔲 **Menu** → **Call Settings** → **Set reject messages**.

2. Manage messages:
   • To create new messages, touch **Create** and follow the prompts.
   • To modify an existing message, touch the message and edit the text.

Call alerts

Set options for sounds and vibrations to occur during calls.

1. From the Home screen, touch 📞 **Phone →**
   ☰ **Menu → Call Settings → Call alert**.

2. Configure options:
   - **Call vibrations**: Enable **Vibrate on connection to network** to have your phone vibrate when it connects to the network. Enable on **Call-end vibration** to have the phone vibrate when the other caller ends the call.
   - **Call status tones**: Choose options for sounds to play during calls. Enable **Call connect tone** to have the phone play a tone when the other caller answers a call. Enable **Minute minder** to have a tone play once per minute during a call. Enable **Call end tone** to have the phone play a tone when the other caller ends the call. Touch **OK** to save the settings.
   - **Alerts on call**: Enable to have notifications for alarms and new messages play during phone calls. Disable to mute these notifications during a call.

Call answering/ending

Manage settings for answering and ending calls.

1. From the Home screen, touch 📞 **Phone →**
   ☰ **Menu → Call Settings → Call answering/ending**.

2. Configure these options:
   - **Answering key**: Enable to answer an incoming call by pressing ⬚ **Home**.
   - **The power key ends calls**: Enable to end a call by pressing ⬚ **Power/Lock** .

Auto screen off during calls

When this option is enabled, the screen automatically turns off during phone calls, and the proximity sensor on the front of the phone is used to turn the screen back on when the phone is moved or brought close to another surface, such as when you move the phone to your ear.

1. From the Home screen, touch 📞 **Phone →**
   ☰ **Menu → Call Settings**.

2. Touch **Auto screen off during calls** to enable or disable the option.

Accessory setting for call

Configure headset options for calls.

1. From the Home screen, touch **Phone** ➔ **Menu** ➔ **Call Settings** ➔ **Accessory settings for call**.
2. Configure settings:
   - **Automatic answering**: When enabled, and you have a headset connected to the Headset Jack, incoming calls are answered automatically after a delay, set at Automatic answering timer.
   - **Automatic answering timer**: Choose a time period to delay before automatically answering an incoming call when Automatic answering is enabled and a headset is connected to the phone.
   - **Outgoing call conditions**: When the phone is paired with a Bluetooth headset, you can make calls even when the phone is locked.

Use extra volume for calls

When enabled, the call screen displays a volume control for adjusting call volume during calls.

1. From the Home screen, touch **Phone** ➔ **Menu** ➔ **Call Settings**.

2. Touch **Use extra vol. for calls** to enable or disable the option.

In-call sound EQ settings

During a call, you can use the In-call sound EQ settings to customize call audio to your needs. For example, if you usually use a headset in your right ear, you can choose to have sound optimized for the right ear.

1. From the Home screen, touch **Phone** ➔ **Menu** ➔ **Call Settings** ➔ **In-call sound EQ settings**.
2. Configure settings:
   - **In-call sound EQ**: Choose a default equalizer setting for call audio.
   - **Personalized EQ**: Follow the prompts to create a personalized EQ setting based on your specific needs.

Increase volume in pocket

When enabled, the phone uses the proximity sensor to detect when the phone is in a pocket or other close-fitting location such as a purse or bag, and increases the volume for incoming call ringtones.

1. From the Home screen, touch **Phone** ➔ **Menu** ➔ **Call Settings**.

2. Touch **Increase volume in pocket** to enable or disable the option.

Noise reduction

When enabled, background noise is reduced during calls.

1. From the Home screen, touch **Phone** → **Menu** → **Additional settings**.

2. Touch **Noise reduction** to enable or disable the option.

Voicemail

Configure options for voicemail.

1. From the Home screen, touch **Phone** → **Menu** → **Call Settings**.

2. Configure options:
- **Voicemail service**: By default, your phone uses your wireless service provider's voicemail service. If you have another option for voicemail installed, select it here.
- **Voicemail settings**: By default, the speed dial for calling voicemail for your service provider is *86 (*VM). If you wish to use another speed dial, touch Voicemail number to set a new one.
- **Vibrate**: Choose an option for vibration to play for a voicemail notification.

Other call settings

1. From the Home screen, touch **Phone** → **Menu** → **Call Settings**.

2. Configure options:
- **TTY mode**: Enable or disable TTY mode.
- **DTMF tones**: Set length of DTMF tones.
- **Voice privacy**: Enable or disable Enhanced voice privacy, to improve the security of phone calls.

Internet call settings

1. From the Home screen, touch **Phone** → **Menu**→ **Call Settings**.

2. Configure options:
- **Accounts**: Configure and manage Internet calling accounts. Touch **Receive incoming calls** to allow your phone to alert you of incoming Internet calls. When enabled, this option uses more battery power. Touch **Add account** to define your Internet calling account(s) to your phone.
- **Use Internet calling**: Touch to use Internet calling **For all calls when mobile network available**, to use Internet calling **Only for Internet calls**, or to **Ask for every call**.

Section 6: Entering Text

This section explains how to select the desired text input method when entering characters into your phone. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your phone comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This feature is useful when entering text.

Text Input Methods

There are three text input methods available:

- **Samsung keyboard (default)**: Samsung's on-screen QWERTY keypad can be used in both portrait and landscape orientation.
- **Google voice typing**: Enter text by speaking.

To change the input method, see *"Keyboards and input methods"* on page 157.

Entering Text Using the Samsung Keyboard

From a screen where you can enter text, rotate your phone counterclockwise to a Landscape orientation. The on-screen QWERTY keypad displays.
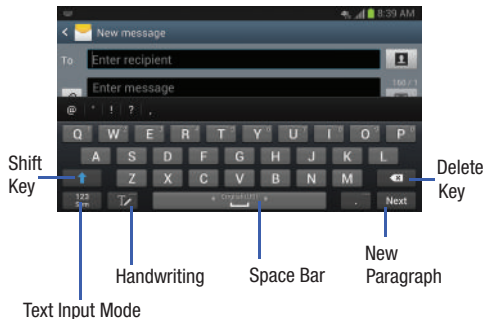
Changing the Text Input Mode–Keypad

There are two main keypad layout keys that will change the on-screen keys in the QWERTY keypad.

The available Text Input modes are: **Sym** and **Abc**.

123 Sym	**Symbol/Numeric Mode**: Activate the number, symbol, and emoticon keys.
ABC	**ABC Mode**: Activate the default alphabet keys. Can also be set to **Abc** or **abc** by using the shift (↑) key.

Note: When in **Abc** mode, the **Sym** button displays. When in **Sym** mode, the **Abc/ABC/abc** button displays.

Using ABC Mode

1. If desired, rotate your phone counterclockwise to a Landscape orientation.

2. When you touch the **Enter message** field, the following screen displays:
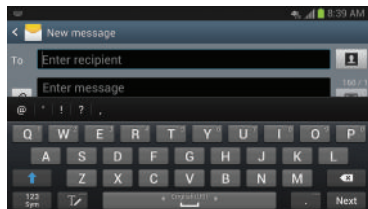
3. Touch the desired alphabetic characters.

4. The screen initially opens in ABC mode. After you type the first letter, the shift key (↑) changes to ↑ and following letters will be lowercase.

5. Touch ↑ to input another uppercase letter or tap ↑ twice to switch to ABC mode. The shift key changes to ↑ in ABC mode. All following letters will be uppercase until you tap the shift key again.

Using Symbol/Numeric Mode

Use Symbol/Numeric Mode to add numbers, symbols, or emoticons.

1. Rotate your phone counterclockwise to a Landscape orientation.
2. Tap ![123 Sym] at the bottom of the screen. The following screen displays:
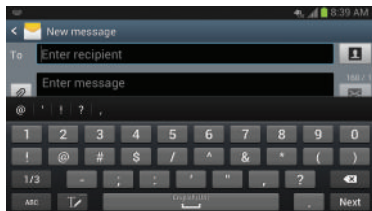
3. Tap the desired number, symbol, or emoticon characters.
4. Tap the ![1/3] button to access additional symbols.
5. Tap ![ABC] to return to Abc mode.

Predictive Text

By using the Predictive Text option, you can have next-letter prediction and regional error correction, which compensates for pressing the wrong keys on the QWERTY keyboard. Predictive text is turned on by default.

1. To turn Predictive Text on or off, tap ![grid] ➔ **Settings** ➔ ➔**Language and input**.
2. Tap the ![gear] icon next to **Samsung keyboard**.
3. Tap the ON/OFF slider, located to the right of the **Predictive text** field, to ![ON].
4. In the text portion of the message screen, begin typing a word. A list of word options is displayed. Tap one of the words to replace the word that has already been typed or scroll the line of words to the left for more word choices.
5. Continue typing your message. Tap ![send] to send the message or press ![menu] for more options. For more information, refer to *"Text and Multimedia Messaging"* on page 67..
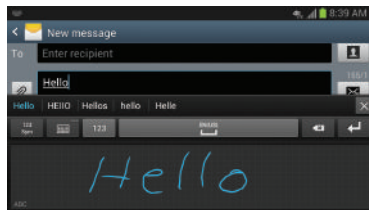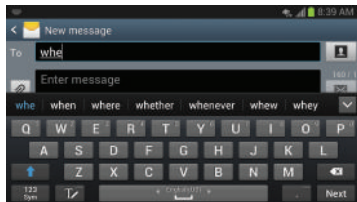
Note: You can also use Predictive Text mode in the portrait orientation.

Entering Text Using Handwriting

You can enter text simply by using your finger to draw letters on your screen.

1. From the keypad, tap [T✓].

2. Use your finger tip to write out each character. You can print or use cursive.

3. You can write out your entire message using the Handwriting feature or tap [⌨] to switch back to Samsung keyboard mode.

Using the Google Voice Typing Feature

You can use your voice to enter text using the Google voice typing feature.

1. From the keypad, touch the top of the screen and drag it down to display your notification panel.

2. Tap **Select input method**.

3. Tap **Google voice typing**.

4. At the **Listening** prompt, speak clearly and distinctly into the microphone.

5. If the red microphone turns gray, then the feature has timed out, and you should tap the microphone icon to start again.

The text is displayed in the message as you are speaking.
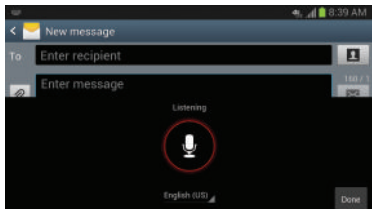
Note: The feature works best when you break your message down into smaller segments.

Samsung Keyboard Settings

For information on how you can configure your Samsung keyboard settings, see *"Keyboards and input methods"* on page 157.

Section 7: Messaging

This section explains how to send and receive messages, and other features associated with messaging.

Types of Messages

Your phone supports these types of messages:

- **Text messages**: Send and receive simple messages containing text to other mobile phones or email addresses (also known as SMS).
- **Multimedia messages**: Send and receive text messages with pictures, video, and/or sound to other mobile phones or email addresses (also known as MMS).
- **Mobile IMs**: Exchange Instant Messages with other users of popular messaging sites.
- **Email**: Send and receive email from your email accounts, including Corporate mail.
- **Gmail**: Send and receive Gmail from your Google account.
- **Voicemail**: Retrieve voice messages from callers.
- **Google Talk**: Chat with other Google Talk users.

Text and Multimedia Messaging

Your phone can send and receive text and multimedia messages.

Creating and Sending Messages

1. From the Home screen, touch **Messaging** ➔ **New message**.

2. Touch **Enter recipient** and enter a name, phone number or email address.

   – or –

   Touch to select from one of the following:

   - **Groups**: Select a recipient from the Group list.
   - **Favorites**: Select a recipient from the Favorites list.
   - **Contacts**: Select a recipient from your Contacts list (valid entries must have a wireless phone number or email address).
   - **Logs**: Select a recipient from a list of recently sent messages.

3. If adding a recipient from either Logs, Contacts, or Group, tap the contact (a check mark indicates selection), and tap **Done**. The contact displays in the recipient field.

Note: Delete any unnecessary members by tapping their name/number in the recipient area and selecting **Delete**.

4. Touch **Enter message**, and use the on-screen keypad to enter a message. While entering the message, use these options (available options depend on attachment):

   • Touch ⧉ **Attach** to add media or content to the message (converts the message to MMS).

   • Touch ▭ **Menu** for options:

   – **Insert smiley**: Add a text emoticon to the message.

   – **Add text**: Select text from S Memo, Calendar, Location, Contacts, or Text templates to add.

   – **View contact**: View the contact record.

   – **Add slide** / **Remove slide**: Add or remove a slide. Slides hold pictures or other media (adding a slide converts the message to MMS).

   – **Add subject**: Add a subject field (converts the message to MMS.)

5. Touch ✉ to send the message.

Note: If you exit a message before it sends, the message is automatically saved as a draft.

Managing Messages

Messages that you send and receive to the same contact, number, or address are grouped together as a "conversation." Threads allow you to see all the messages you exchanged with a recipient in one place.

1. From the Home screen, touch 📩 **Messaging**.

2. Message threads display by contact, number, or address. While viewing message threads, you have these options:

   • Touch and hold a thread to choose options, including:

   – **View Contact / Add to Contacts**: View the contact record, or save the sender/recipient's information.

   – **Delete thread**: Erase the entire message thread.

   • Touch ▭ **Menu** for options, including:

   – **Search**: Enter characters to search messages and recipients.

   – **Settings**: Configure Messaging settings.

   – **Delete threads**: Touch message threads to mark them for erasure, or touch **Select all** to mark all message threads.

Message Settings

Configure settings for message storage, delivery, or alerts.

1. From the Home screen, touch **Messaging**.

2. Touch **Menu**, and touch **Settings** for options:

   • **Display**:

   – **Bubble style**: Choose the appearance of messages in a message thread. Touch a bubble style for each side of the conversation, then touch **Save**.

   – **Background style**: Choose the appearance of the screen behind message threads. Touch a style, then touch **Save**.

   – **Use the volume key**: When enabled, you can change the size of message text while viewing by pressing the Volume Key.

   • **Storage settings**:

   – **Delete old messages**: When enabled, messages are automatically erased when storage reaches default limits. When disabled, the phone prompts you to delete old messages to make room.

   – **Text message limit**: Set the number of SMS messages per conversation.

   – **Multimedia message limit**: Set the number of MMS messages per thread.

   – **Set text templates**: Text templates are phrases that you can add to your messages. Use a pre-loaded text template, or create your own.

   • **Text message (SMS) settings**:

   – **Delivery reports**: When enabled, you receive a delivery report for text messages that you send.

   • **Multimedia message (MMS) settings**:

   – **Delivery reports**: When enabled, you receive a delivery report for multimedia messages that you send.

   – **Auto-retrieve**: When enabled, MMS messages download automatically. When disabled, the phone prompts for download.

   – **Roaming auto-retrieve**: When enabled, MMS messages download and display automatically when roaming. When disabled, the phone prompts you to download new MMS messages.

   • **Notification settings**:

   – **Notifications**: When enabled, message alerts display in the Status bar.

   – **Select ringtone**: Choose a sound for message alerts.

   – **Vibrate**: Configure vibration for message alerts.

• **Emergency message settings**:

– **Emergency Alerts**: This device is designed to receive Wireless Emergency Alerts from the Commercial Mobile Alert Service (CMAS), including Presidential Alerts, Imminent Alerts (Severe or Extreme), and AMBER Alerts (missing persons). You may choose not to receive Imminent and AMBER alerts, but Presidential Alerts cannot be disabled. All alerts are enabled by default (a check mark displays). For more information about Emergency Alerts see *"Emergency Alerts"* on page 70.

– **Emergency notification preview**: Listen to an example of a Emergency Alert tone (and vibration, if enabled). The Emergency Alert tone plays at the same volume as your call ringtone.

– **Vibrate**: Configure vibration for Emergency Alerts.

– **Alert reminder**: Choose whether, and at what interval, your phone plays a sound to notify you of a Emergency Alert after the Emergency Alert tone has stopped.

Emergency Alerts

This device is designed to receive Wireless Emergency Alerts from the Commercial Mobile Alert Service (CMAS). Emergency Alerts are geographically-targeted and alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert.

There are three types of Emergency Alerts:

• Presidential

• Imminent (Severe or Extreme)

• AMBER Alerts (missing person alert)

You may choose not to receive Imminent Alerts and AMBER Alerts. Presidential Alerts, however, cannot be disabled. To disable Imminent Threat Alerts (Extreme and Severe) and AMBER Alerts, do the following:

1. From the Home screen, touch ✉ **Messaging**.

2. Touch ▤ **Menu → Settings → Emergency Alerts**.

3. All alerts are enabled by default (a check mark displays). Touch an alert to disable it.

Email

Send and receive email using popular email services.

Configuring Email Accounts

You can configure Email for most accounts in just a few steps.

Configuring the first email account

1. From the Home screen, select ▦ **Apps** ➔
   ◎ **Email**.

2. Follow the prompts to set up your email account.

Note: For more information on setting up your email, contact your Wireless Provider.

Configuring additional email accounts

1. From the Home screen, select ▦ **Apps** ➔
   ◎ **Email**.

2. Touch ▤ **Menu**, and then touch **Settings**.

3. Touch ＋ **Add account**. Follow the prompts to set up your email account.

Composing and Sending Email

1. From the Home screen, select ▦ **Apps** ➔
   ◎ **Email** ➔ ✎ **Compose**.

2. Touch fields to enter recipients and the email text.

3. While composing a message, touch ⬭ **Attach** to add a file attachment to the message.

4. Touch ▤ **Menu** for email options.

5. Touch ✉ **Send** to send the message.

Managing Emails

Refreshing Your Email Account

Refresh your account to update your phone from the servers.

1. From the Home screen, select ▦ **Apps** ➔
   ◎ **Email**.

2. Touch ◯ **Refresh**.

Email Account Settings

Use Account settings to configure handling of your email.

Note: Available settings depend on the email provider.

1. From the Home screen, select ▦ **Apps** ➔
   ◎ **Email**.

2. Touch ▤ **Menu**, then touch **Settings**.

3. Touch an account name to set options.

Gmail

Send and receive emails using Gmail, Google's web-based email.

■ From the Home screen, select ▦ **Apps** ➔ ◩ **Gmail**.

Setting Up Your Gmail Account

The first time you launch Gmail, your phone prompts you to set up your Google account.

1. From the Home screen, select ▦ **Apps** ➔ ◩ **Gmail**.

2. Follow the prompts to sign in, or create a new account.

3. The phone communicates with the Google server to set up your account and synchronize your email.

Note: You can use more than one Google account on your phone. To add another account, from within Gmail, touch ▤ **Menu** ➔ **Settings** ➔ **ADD ACCOUNT** option.

Refreshing Your Gmail Account

Refresh your account to update messages on your phone.

1. From the Home screen, touch ▦ **Apps** ➔ ◩ **Gmail**.

2. Touch ↻ **Refresh**.

Managing Your Gmail Account

Use menu options to manage your Gmail.

1. From the Home screen, touch ▦ **Apps** ➔ ◩ **Gmail**.

2. Touch ▤ **Menu** for options.

Composing and Sending Gmail

1. From the Home screen, touch ▦ **Apps** ➔ ◩ **Gmail** ➔ ✉₊ **New message**.

2. Touch fields to compose the message. While composing, touch ▤ **Menu** for options.

3. When your message is complete, touch ➤ **Send**.

ChatON

Provides a global mobile communication service where you can chat with more than 2 buddies via a group chat. Share things such as pictures, videos, animation messages (Scribbles), audio, Contacts, Calendar entries, and Location information.

1. Log on to your Samsung account if you have not already done so. For more information, refer to *"Creating a Samsung Account"* on page 15..

2. From the Home screen, touch ▦ **Apps → C ChatON**.

3. Follow the on-screen instructions to use ChatON.

Important! A Samsung account is needed to use this application.

For more information, visit: https://web.samsungchaton.com.

Google Talk

Google Talk is a free Windows- and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This feature allows you to search a chat log and store them in your Gmail accounts.

1. Log on to your Google account if you have not already done so. For more information, refer to *"Google™ Account Sign-in"* on page 15..

2. From the Home screen, touch ▦ **Apps → talk Talk**.

3. Begin using Google Talk.

4. Press ▤ **Menu → Help** for more information on using Google Talk.

Note: The Network confirms your log-in. This process could take up to 5 minutes to complete.

Google+

Google+ makes messaging and sharing with your friends a lot easier. Set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Sign on to your Google account. For more information, refer to *"Google™ Account Sign-in"* on page 15..

2. From the Home screen, touch ▦ **Apps** ➔ 🔵 **Google+**.

3. Select the account you want to use to sign in to Google+

   – or –

4. Touch **Existing** and sign in, or touch **New** and create a new account.

5. Follow the on-screen instructions to use Google+.

6. Visit www.google.com/mobile/+/ for more information.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone.

1. Sign on to your Google account. For more information, refer to *"Google™ Account Sign-in"* on page 15..

2. From the Home screen, touch ▦ **Apps** ➔ 🔵 **Messenger**.
   – or –

   From the Google+ application, select **Messenger**.

3. Select the account you want to use to sign in to Google+
   – or –

   Touch **Add account** to create another account.

4. At the **Messenger** screen, touch 📝 to start a new message.

5. In the upper text field, enter a name, email address, or circle.

6. In the bottom message field, enter a message then touch ➤.

7. From the **Messenger** screen, tap **Learn more** for more detailed information.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately share it using AllShare Play, Messaging, Gmail, or Bluetooth. Recording time varies based on the available memory within the phone.

1. From the Home screen, touch ▦ **Apps** ➔ 📱 **Voice Recorder**.

2. To start recording, tap **Record** 🔴 and speak into the microphone.

3. During the recording process you can either tap **Stop** ⬛ to stop and save the recording or **Pause** ⏸ to temporarily halt the recording. After pausing, tap **Record** 🔴 to resume recording.

4. Once the audio recording has stopped, the message is automatically saved. Tap **Cancel** ✖ to cancel the recording without saving.

5. Tap **List** ☰ to display a list of all your voice recordings.

6. Tap a voice recording to play it.

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7. Press ▤ **Menu** and select from the following options:

- **Share via**: Share your recording using Bluetooth, Dropbox, Email, Gmail, Group Cast, Messaging, or Wi-Fi Direct.

- **Delete**: Delete 1 or more voice recordings. Tap the recordings to delete and tap **Delete**.

- **Rename**: Rename your recordings.

- **Settings**: The following settings are available:

  – **Storage**: Select where your recordings are saved. Selections are: Phone or Memory card.

  – **Default name**: Select the name prefix for recordings. For example, if your Default name is Voice, your recordings would be named Voice 001, Voice 002, and Voice 003.

  – **Recording quality**: Set the recording quality to High or Normal.

  – **LImit for MMS**: Select On or Off. Selecting On limits the message size so the recording size attaches to an MMS message.

Section 8: Multimedia

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. With hundreds of titles available at your fingertips, entertaining on the go has never been easier. You can rent or purchase your favorite content and watch from the convenience of anywhere. Featuring the stunning viewing quality Samsung is known for, Samsung Media Hub is your gateway to mobile video like you've never experienced it before.

Browse the latest movies and TV shows, then rent or purchase the media for viewing on your phone.

Note: Media Hub service requires a Media Hub account, and depends on service availability.

1. From the Home screen, touch **Apps** ➔
   Media Hub.
2. To rent or buy media, you must have a Media Hub account. Touch **Menu**; then touch **My Account** to log in or create an account.
3. Browse content, and follow the prompts to buy or rent.

Music Player

The Music Player is an application that can play music files. The music player supports files with extensions AAC, AAC+, eAAC+, MP3, and WMA. Launch the Music Player to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

1. From the Home screen, touch **Apps** ➔ **Music Player**.
2. Touch a library category tab at the top of the screen (All, Playlists, Albums, Artists, Music square, or Folders) to view the available music files.
3. Scroll through the list of songs and touch an entry to begin playback.
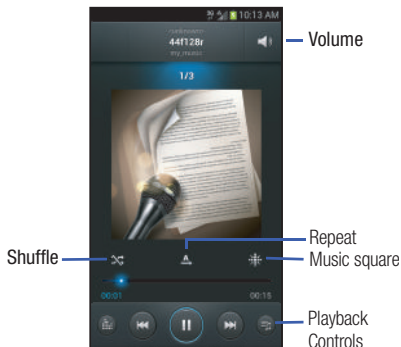
The following Music Player controls are available:

⏸	Pause the song.
▶	Start the song after being paused.
⏮	Press and hold to rewind the song. Touch to go to previous song.
⏭	Press and hold to fast-forward the song. Touch to go to next song.
🔊	Control the volume.
🔂	Repeat one: Repeat the song currently playing.
🔁	Repeat all: Replay the current list when the list ends.
🅰	Play All: Play the current song list once.
🔀	Shuffle On: Randomly shuffle the current list of songs for playback.
✕	Shuffle Off: Play songs in the listed order.
▦	Music square: Play songs linked to buttons in a 5x5 matrix and categorized according to four criteria.

🎵 Music list: Return to the current playlist.

▣ Now Playing: Display the Music player screen with the current song information.

Tip: When you play music in the background, playback controls are available on Notifications. For more information, see *"Notifications"* on page 26.

Music Square

Music square analyzes your music files (a minimum of 25 files) and assigns them to playlists linked to buttons in a 5x5 matrix according to the following criteria:

• **Moods** (Exciting, Passionate, Joyful, Calm)

• **Years** (Exciting, Old, New, and Calm)
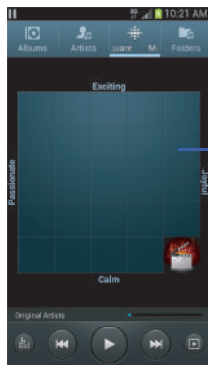
Playlist Selection Buttons

Playback Controls

1. From the Home screen, touch ▦ **Apps** ➔ ◉ **Music Player**.

2. Touch the **Music square** tab.

   – or –

   Touch ▦ **Music square**.

3. Touch ☰ **Menu** ➔ **Library update**.

4. Select a playlist based on mood or age of the song.

Music Player Options

To access additional options, follow these steps:

1. From the Home screen, touch ⬛⬛⬛ **Apps** ➔
   ▶ **Music Player**.

2. Touch ▤ **Menu** and select from the following
   options:

   • **Add to quick list**: Add the current music file to the Quick list.

   • **Via Bluetooth**: Scan for devices and pair with a Bluetooth
   headset.

   • **Share music via**: Share your music with other devices using
   Bluetooth, Dropbox, Email, Gmail, Group Cast, Messaging, or
   Wi-Fi Direct.

   • **Add to playlist:** Add the current music file to a selected playlist.

   • **Details**: View media information such as Artist, Title,
   Biography, and so on.

   • **Set as:** Set a music file as the Phone ringtone, as a Caller
   ringtone, or as the Alarm tone.

   • **Scan for nearby devices:** Scan for nearby Bluetooth-enabled
   devices.

   • **Settings**: Change your Music Player settings. For more
   information, refer to *"Music Player Settings"* on page 80..

   • **End**: Close the Music Player application.

Music Square Options

To access additional options, follow these steps:

1. From the Home screen, touch ⬛⬛⬛ **Apps** ➔
   ▶ **Music Player**.

2. Touch ▤ **Menu** and select from the following
   options:

   • **Help**: Adds the current music file to the Quick list.

   • **Library update**: Analyzes your music files and assigns them to
   playlists linked to playlist selection buttons.

   • **Change horizontal axis**: Select Mood or Years.

   • **Scan for nearby devices:** Scans for nearby Bluetooth-enabled
   devices.

   • **Settings**: Change your Music Player settings. For more
   information, refer to *"Music Player Settings"* on page 80..

   • **End**: Close the Music Player application.

Music Player Settings

The Music Player Settings menu allows you to set preferences for the music player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

■ From the Home screen, touch ▦ **Apps** ➔ ▶ **Music Player**; then touch ▤ **Menu** ➔ **Settings**. The follow settings are available:

• **SoundAlive**: Set a type of equalization such as Normal, Pop, Rock, Jazz, Dance, Classic, etc.

• **Play speed**: Set the play speed anywhere between 0.5X and 2.0X using the slider.

• **Music menu**: Select which categories you want to display in the Music menu. Choices are: Albums, Artists, Genres, Music square, Folders, Composers, Years, Most played, Recently played, or Recently added.

• **Lyrics**: Activate to display the song's lyrics, if available.

• **Music auto off**: Activate to turn off music automatically after a set interval.

Using Playlists

Playlists are used to assign songs to a list of preferred media that can then be grouped into a list for later playback. These Playlists can be created via either the handset's Music Player options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

Creating a Playlist

1. From the Home screen, touch ▦ **Apps** ➔ ▶ **Music Player**.

2. Touch the **Playlists** tab.

3. Touch ▤ **Menu** ➔ **Create playlist**.

4. Enter a name for this playlist in the field and touch **OK**.

Adding Music to a Playlist

To add files to the playlist:

1. From the Home screen, touch ▦ **Apps** ➔ ▶ **Music Player**.

2. Touch the **Playlists** tab.

3. Touch the playlist name in which to add music.

4. Touch ➕ **Add music**.

5. Touch a music file, or tap **Select all** to add all the music tracks to this playlist then touch **Done**.

Removing Music from a Playlist

To remove music files from a playlist:

1. From the Home screen, touch ▦ **Apps** → ⦿ **Music Player**.

2. Touch the **Playlists** tab.

3. Touch the playlist name in which to delete music.

4. Touch ▭ → **Remove**.

5. Touch the checkbox to the left of each track that you want to remove from this playlist, or tap **Select all** to remove all the music tracks from this playlist. Touch **Remove**.

Editing a Playlist Name

Besides adding and removing music files in a playlist, you can also rename the playlist.

To edit a playlist:

1. From the Home screen, touch ▦ **Apps** → ⦿ **Music Player**.

2. Touch **Playlists**.

3. Touch ▭ **Menu** → **Edit title**, and touch the playlist you want to rename.

4. In the **Edit title** window, enter a new name for the playlist. Touch **OK**.

For information on downloading music for your phone, see *"Connecting as a Storage Device"* on page 126.

Setting a Song as a Ringtone

You can set a song as a ringtone for all voice calls, for calls from an individual contact, or as an alarm tone.

1. From the Home screen, touch ▦ **Apps** → ⦿ **Music Player**.

2. Touch and hold on a song; then touch **Set as** and choose from these options:

- **Phone ringtone**: Set the song as the default ringtone for all incoming voice calls.

- **Caller ringtone**: Choose a contact to set the song as the ringtone for calls from the contact.

- **Alarm tone**: Set the song as the alarm ringtone for a new alarm, or for an existing alarm.

Google Play Books

Google Books is now Google Play™ Books. With Google Play Books, you can shop the world's largest selection of ebooks and read them anywhere you like—on a tablet, phone, e-reader, or the Web.

1. From the Home screen, touch ▦ **Apps** ➔ 📘 **Play Books**.
2. Sign on to your Google account. For more information, refer to *"Google™ Account Sign-in"* on page 15..
3. Follow the on-screen instructions for using the Play Books application.

Google Play Magazines

Google Play Magazines is a subscription service where you can shop a wide selection of titles, from cooking to technology, travel, fashion, sports, photography, and more. Buy new issues or back issues, subscribe and get free 14 or 30-day trials, and customize your reading experience for your phone.

1. From the Home screen, touch ▦ **Apps** ➔ 📰 **Play Magazines**.
2. Sign on to your Google account. For more information, refer to *"Google™ Account Sign-in"* on page 15..

3. Follow the on-screen instructions for using the Play Magazines application.

Google Play Movies & TV

With Google Play Movies & TV, you can rent or purchase thousands of movies and TV shows. You can watch instantly or download your movie or TV show for offline viewing at a later time.

1. From the Home screen, touch ▦ **Apps** ➔ 🎬 **Play Movies & TV**.
2. Log on to your Google account if you have not already done so.
3. Following the on-screen instructions for renting and viewing movies.
4. Tap the **MOVIES** tab to view movies that you have rented.
5. Tap the **TV SHOWS** tab to view tv shows that you have purchased.
6. Tap the **PERSONAL VIDEOS** tab to view movies stored on your phone or memory card.
7. Press ▤ **Menu** for additional options.

Google Play Music

With Google Play Music, you can play music that you have added to your music file and any music you copied from your PC. While offline, you can listen to music that you have copied from your PC.

1. From the Home screen, touch ▦▦▦ **Apps** ➔ 🎧 **Play Music**.

2. At the Welcome screen, touch **OK**.

3. At the **Select an account** screen, touch an account that you would like to link to Google Play Music or tap **Add Account**.

4. At the **Get free music** screen, tap **Get free songs** or **Skip**.

5. Follow the on-screen instructions for getting your free music.

   All music on your device and external SD card displays including Music folders that may contain multiple songs.

6. Touch a song to start playback.

7. From the main Play Music screen, touch any of the following tabs for a more detailed listing of songs: Playlists, Recent, Artists, Albums, Songs, and Genres.

8. Touch 🔲 **Menu** for the following options:

   • **Shuffle all**: Play all of your music in a shuffled order.

   • **Choose on-device music**: Play your music without being online or connected to the network.

   • **On device only**: Play music offline only.

   • **Settings**: View Open source licenses and the music version for the Play Music application.

   • **Help**: View a help file on the Google Support website.

Video Player

Video Player identifies and plays video files (3GP or MP4) stored on your phone or on an optional microSD Memory card.

1. From the Home screen, touch ▦▦▦ **Apps** ➔ ▶ **Video Player**.

2. By default, videos display by name in an array of **Thumbnails**.

   You can also display your videos in an alphabetical list by touching the **List** tab, or list the folders where your videos are stored by touching the **Folders** tab.

3. To play a video, touch its thumbnail or list entry.

The following video controls are available:

⏸	Pause the video.
▶	Start the video after being paused.
◀◀	Touch and hold to rewind the video. Touch to go to previous video.
▶▶	Touch and hold to fast-forward the video. Touch to go to next video.
🔊	Volume control.
⤢	PIP (Picture In Picture) view: The video plays in a small window so you can use your phone for other purposes while watching the video. To return to previous size, double-tap the screen.
▢	Original size view: The video plays in its original size.
▯▯	Full-screen in ratio view: The video is enlarged as much as possible without becoming distorted.
⤡	Full-screen view. The entire screen is used. This view may cause image distortion.

Note: The screen view icons are a three-way toggle. The displayed icon indicates the mode that will display after you touch the icon.

4. While playing a video, touch ▭ **Menu** for video options.

Camera

Use your phone's built-in Camera to take pictures and record video.

■ From the Home screen, touch ⬛ **Apps** ➔ 📷 **Camera**.

Mode Button

Camera Button

Image Viewer

Options menu
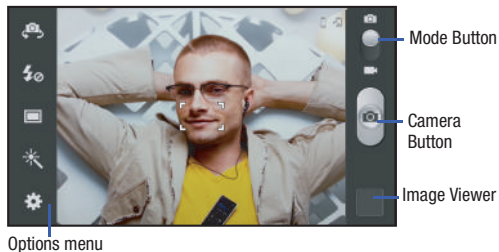
Important! Do not take photos of people without their permission.

Do not take photos in places where cameras are not allowed.

Do not take photos in places where you may interfere with another person's privacy.

Taking Pictures

1. From the Home screen, touch ▦ **Apps** ➔ 🔘 **Camera**.

2. Using the display as a viewfinder, compose your picture by aiming the lens at the subject.
   • Touch the screen to focus on the area you touched.
   • "Pinch" the screen, or press the **Volume** key, to zoom in or out.
   • To configure settings, see *"Camera Options"* on page 85.

3. To take the picture, touch the **Camera** button (🔘).

4. After taking a picture, touch **Image Viewer** to view the picture. While viewing the picture, use these options:
   • "Pinch" the screen, or touch the zoom icons, to zoom in or out, or double-touch to zoom all the way in or out.

• Touch 🔗 **Share** to send the picture using Group Cast, ChatON, Dropbox, Flipboard, Picasa, Google+, S Memo, Bluetooth, Wi-Fi Direct, Messaging, Gmail, or Email.

• Touch ▶ **Slideshow** to view all of your pictures as a slideshow.

• Touch 🗑 **Delete** to erase the picture.

• Touch ▤ **Menu** to access added options: Face tag, Copy to clipboard, Rotate left, Rotate right, Crop, Edit, Set picture as (Contact photo, Home and lock screens, Home/Lock screen wallpaper), Buddy photo share, Print, Rename, Scan for nearby devices, or Details.

Camera Options

Touch the **Options** tab to configure the camera:

• 🤳 **Self-portrait**: Switch to the front camera lens, for self-portraits.

• ⚡ **Flash**: Choose Off, On, or Auto flash.

• ▣ **Shooting mode**: Choose an automatic shooting mode, from:
   – **Single shot**: Take a single photo.
   – **Burst shot**: Automatically take multiple pictures to create a panorama.
   – **HDR**: Take pictures in HDR (High Dynamic Range) mode to increase image detail.

– **Face detection**: Touch the Camera button to focus on and take a picture of the subject's face.
– **Smile shot**: Touch the Camera button to focus on the subject's face. If a smile is detected, the picture is taken automatically.
– **Beauty**: Adjust the contrast to create a smooth facial feature effect.
– **Panorama**: Take a landscape photo by taking an initial photo and then adding additional images to the initial photo. The guide box lets you view the area in which the second part of the panoramic picture should fall.
– **Cartoon**: Give your photo a cartoon look.
– **Share shot**: Use Wi-Fi Direct to share your pictures quickly with your friends.
– **Buddy photo share**: Use face recognition from pictures in your contacts to send your friends or family pictures of themselves.

• ☀ **Color effects**: Choose color theme for the picture: None (normal color), Negative, Black and white, Sepia, Washed out, Cold vintage, Warm vintage, Posterize, Solarize, Blue point, Green point, or Red-yellow point.

• ⚙ Settings ➔ 📷 **Camera**
– **Edit shortcuts**: Select which function shortcuts display in the function menu.

– **Self-portrait**: Set the front camera so you can take pictures of yourself.
– **Flash**: Choose Off, On, or Auto flash.
– **Shooting mode**: Choose Single shot, Burst shot, HDR, Face detection, Smile shot, Beauty, Panorama, Cartoon, Share shot, or Buddy photo share.
– **Scene mode**: Choose a mode to match conditions.
– **Exposure value**: Adjust the picture brightness level by moving the slider.
– **Focus mode**: Choose a type of automatic focus.
– **Timer**: Set a delay before taking a picture.
– **Effects**: Apply a color effect to pictures.
– **Resolution**: Choose a size (in pixels) for the image.
– **White balance**: Choose a setting for the light source.
– **ISO**: Choose a setting for imaging sensitivity.
– **Metering**: Select a method for measuring light.
– **Anti-Shake**: Minimize the effect of camera movement.
– **Auto contrast**: Allow automatic light/dark adjustment.
– **Guidelines**: Enable or disable an on-screen grid to aid in photo composition.
– **Image quality**: Choose a quality setting for photos.
– **GPS Tag**: Add GPS location information to photo details.
– **Storage**: Choose to store your pictures in Phone memory or on an optional Memory card.

— **Reset**: Set all Camera settings to the defaults.

Camcorder

Use your phone's built-in Camcorder to record video.

■ From the Home screen, touch ☷ **Apps** ➔
   ◉ **Camera** ➔ ⬛ **Mode**.

Mode
button

Record
button

Image
Viewer

Options menu
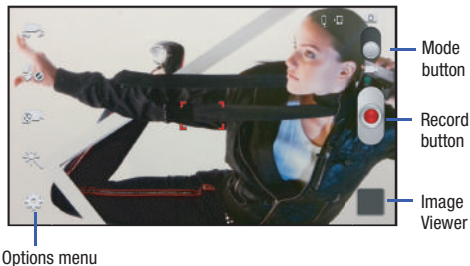
Important! Do not take videos of people without their
permission.
Do not take videos in places where cameras are
not allowed.
Do not take videos in places where you may
interfere with another person's privacy.

Capturing Video

1. From the Home screen, touch ☷ **Apps** ➔
   ◉ **Camera** ➔ ⬛ **Mode**.

2. Using the display as a viewfinder, compose your shot
   by aiming the lens at the subject.
   • Touch the screen to focus on the area you touched.
   • "Pinch" the screen, or press the **Volume** key, to zoom in or out.
   • To configure settings, see *"Camcorder Options"* on
     page 88.

3. To start recording, touch the **Record** button (⬤).

4. To capture an image from the video while recording,
   touch ◉. This feature is not available when the
   Anti-Shake feature is activated.

5. To stop recording, touch the **Stop** button (⬛).

6. After recording, touch **Image Viewer** to view the video.

7. While viewing the video, use these options:
   • Pinch the screen to zoom in or out, or double-touch to zoom all
     the way in or out.
   • Touch ▷ **Play** to review the video.
   • Touch ◁ **Share** to send the video.
   • Touch ▷ **Slideshow** to review all your videos in sequence.

• Touch 🗑 **Delete** to erase the video.

Camcorder Options

Configure the camcorder.

■ While in Camcorder mode, touch the **Options** tab:

• 📷 **Self recording**: Record video with the front lens.

• ⚡ **Flash**: Choose Off or On.

• 📹 **Recording mode**: Choose a recording mode, from:

– **Normal**: Record a video of any length.

– **Limit for MMS**: Record a video of a size suitable for sending in a Video message.

• 🎨 **Color effects**: Choose color theme for the picture: Red-yellow point, Green point, Blue point, Solarize, Posterize, Warm vintage, Cold vintage, Washed out, Sepia, Black and white, Negative, or None.

• ⚙ **Settings**

– **Edit shortcuts**: Select which function shortcuts display in the function menu.

– **Self-recording**: Set the front camera so you can take videos of yourself or video chat.

– **Flash**: Choose Off or On.

– **Recording mode**: Choose Normal or Limit for MMS recording mode.

– **Exposure value**: Adjust the picture brightness level by moving the slider.

– **Timer**: Set a delay before starting recording.

– **Effects**: Apply an effect to videos.

– **Resolution**: Choose a size (in pixels) for the recording.

– **White balance**: Choose a setting for the light source.

– **Anti-Shake**: Minimize the effect of camcorder movement.

– **Guidelines**: Display a grid to aid in video composition.

– **Video quality**: Choose a quality setting for videos.

– **Storage**: Choose to store your videos in Phone memory or on an optional Memory card.

– **Reset**: Set all Camcorder settings to the defaults.

Gallery

The Gallery is where you view photos and videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message.

Note: You can increase Gallery photo and video storage by installing a memory card. For more information, see *"Installing a Memory Card"* on page 9.

1. From the **Apps** screen, touch **Gallery**.
   All of the Albums that hold your pictures and videos display with folder name(s) and number of files.

2. Tap an Album and thumbnails of the contents are displayed.

Note: If your device indicates that memory is full when you access Gallery, delete some of the file by using **My files** or other file management applications and try again. (For more information, refer to *"My Files"* on page 102..)

Viewing Pictures

1. From the **Apps** screen, touch **Gallery**, then select an album, then touch a picture to view it.

2. While viewing a picture, touch on the screen or touch **Menu** for options.
   • Touch **Share** to send the picture using Group Cast, ChatON, Dropbox, Flipboard, Picasa, Google+, S Memo, Bluetooth, Wi-Fi Direct, Messaging, Gmail, or Email.
   • Touch **Slideshow** to view all of your pictures as a slideshow.
   • Touch **Delete** to erase the picture.
   • Touch **Menu** for the following additional options:
     – **Face tag**: When enabled, identifies faces with a yellow box, so you can touch to add tag information.
     – **Rotate left**: Rotate the image 90 degrees counter-clockwise.
     – **Rotate right**: Rotate the image 90 degrees clock-wise.
     – **Copy to clipboard**: Create a copy, to paste into other apps.
     – **Crop**: Change the picture's size and/or remove portions of the picture.
     – **Edit:** Edit the picture using the downloadable Photo Editor app.

– **Set picture as**: Assign the picture as a Contact photo, or as wallpaper.

– **Buddy photo share**: Send the picture to the Contacts whose Contact photos match faces in the picture.

– **Print**: Print the picture via Wi-Fi to a compatible Samsung printer.

– **Rename**: Change the picture's filename.

– **Scan for nearby devices**: Scan for nearby Bluetooth-enabled devices.

– **Details**: View information about the picture.

Viewing Videos

1. From the Home screen, touch ⬛ **Apps**, touch 🌟 **Gallery**, and select an album. A matrix or list of available videos displays.

2. To play a video, touch its thumbnail or list entry.

3. While viewing videos, touch on the screen or touch ☰ **Menu** for options.

   • Touch ◀ **Share** to send the video using ChatON, Google+, Dropbox, Bluetooth, Wi-Fi Direct, Messaging, YouTube, Gmail, or Email.

   • Touch ▶ **Slideshow** to view all of your videos in sequence.

• Touch 🗑 **Delete** to erase the video.

• Touch ☰ **Menu** for the following additional options:

   – **Rename**: Change the video's filename.

   – **Scan for nearby devices**: Scan for nearby Bluetooth-enabled devices.

   – **Details**: View information about the video.

Sharing Using S Beam

You can also share Gallery photos and videos with compatible devices using S Beam. (For more information, refer to *"S Beam"* on page 122..)

YouTube

Access your YouTube™ account, and view and upload YouTube videos from your phone.

1. From the Home screen, touch ⬛ **Apps** screen, and then touch ▶ **YouTube**.

2. Follow the on-screen instructions for using the YouTube application.

Section 9: Applications and Widgets

This section describes each application and widget that is available in the Apps and Widget menus, the function, and how to navigate through that particular application or widget. If the application or widget is already described in another section of this user manual, then a cross reference to that particular section is provided.

Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens. (For details, see *"Customizing the Home Screen"* on page 36.)

You can also add an application icon as a Primary Shortcut that displays on all Home screens. If you add an application as a primary shortcut, the application icon does not display in the Apps menu. (For more information, refer to *"Editing the Primary shortcuts"* on page 36..)

Accessing Applications

1. From the Home screen, touch ▦▦▦ **Apps**, and touch the **Apps** tab. The **Apps** screen displays on the screen.
2. Sweep your finger right or left to scroll the Apps screens.
3. To launch an application, touch the application's icon.

Customizing the Applications Screens
Choosing a view

By default, application icons display in Customizable grid view. You can change the view to Alphabetical grid view or Alphabetical list view.

1. From the Home screen, touch ▦▦▦ **Apps**, and touch ▤ **Menu → View type**. The available options are:
   • **Customizable grid**: Arrange application icons in the order you prefer.
   • **Alphabetical grid**: Arrange application icons automatically in alphabetical order.
   • **Alphabetical list**: List applications automatically in alphabetical order.

Moving Application icons

With the **Apps** screen in Customizable grid view, you can arrange the application icons to suit yourself.

1. From the Home screen, touch **Apps**, and touch **Menu → Edit**.

Note: The **Edit** option is not available with the **Apps** screen in List view.

2. Touch and hold an application icon, and drag it to a new location.
3. When you are finished, touch **Save**.

Filtering Application icons

You can select which icons display in the **Apps** screen.

1. From the Home screen, touch **Apps**, and touch **Menu**. Touch either of the following options:
   - **Downloaded applications**: Show only the applications that you have downloaded and installed on your phone.
   - **Hide applications**: Touch the icons to mark applications you do not want to display on the **Apps** screen (a check mark indicates selection), and touch **Done**. The **Apps** screen displays without the hidden applications.

AllShare Play

AllShare Play your phone to stream photos, music and videos from its memory to other Digital Living Network Alliance (DLNA) certified devices. Your phone can also play digital content streamed from other DLNA certified devices.

Note: To view more information about DLNA certified products visit http://www.dlna.org/home.

1. Connect to a Wi-Fi network. For more information, refer to *"Scanning and Connecting to a Wi-Fi Network"* on page 119..
2. Sign into your Samsung Account. The Samsung account manages the access information (username/password) to several applications, such as AllShare Play. (For more information, refer to *"Creating a Samsung Account"* on page 15..)
3. From the Home screen, touch **Apps→ AllShare Play**. The **AllShare Play** screen displays.
4. To share media, touch **Videos**, **Photos**, or **Music**, and select the media that you would like to share.

The **Select device** screen displays, listing any devices with which you can share media.

5. Select a device to share the selected media.

6. Touch the **Remote device** tab at the top of the screen.
   A list of all devices from which you can receive media displays.

7. Select a device name.
   Media that you can receive from the other device are listed.

8. Select a media item that you want to stream to your phone.

9. Press ≡ **Menu** ➔ **Settings** to configure the following settings:
   • **Device name**: Defaults to your phone. Use the keypad to enter a new Media server if desired, and touch **Save**.
   • **Share video/picture/audio**: Restrict what is shared from your phone. Touch the items you want to share.
   • **Upload from other devices**: Set the phone to select how uploads from other devices are started. Touch **Always accept**, **Always ask**, or **Always reject**.

• **Default memory**: Save media to your **Phone** or **Memory Card**. Touch an option.
• **Subtitles**: See subtitles on shared media.

Depending on the setting you changed, a pop-up screen may display to restart AllShare Play. To continue, touch **Yes**.

Calculator

Use your phone's Calculator to perform arithmetical calculations (addition, subtraction, multiplication, and division).

1. From the Home screen, touch ▦ **Apps** ➔ ⊞ **Calculator**.

2. Follow the on-screen instructions for using the Calculator application.

Calendar

Record events and appointments to manage your schedule.

Tip: A Calendar widget is available in Widgets. For more information about placing widgets on the Home screen, see *"Widgets"* on page 37.

1. From the Home screen, touch ▦ **Apps** ➔ ▥ **Calendar**.

2. Touch a tab to choose a calendar view:
   • **Year**: Display the current year and scroll to other years.
   • **Month**: Display the current month and scroll to other months.
   • **Week**: Display the current week, and scroll to other weeks.
   • **Day**: Display today's schedule, and scroll to other days.
   • **Agenda**: Display events and tasks in a chronological list.
   • **Task**: Display tasks in a chronological list.

3. Touch ▤ **Menu** for these options:
   • **Go to**: Display a specific date.
   • **Delete**: Delete an event.
   • **Search**: Search for calendar events.

• **Sync**: Synchronize your phone's calendar with your account calendars. (For more information, refer to *"Setting Up Your Accounts"* on page 43..)
• **Settings**: Customize the calendar.

Customizing the Calendar

1. From the Home screen, touch ▦ **Apps** ➔ ▥ **Calendar**.

2. Touch ▤ **Menu**; then touch **Settings** to configure these settings:
   • **View settings**:
     – **Week view**: Choose Timeline or Analog view for a week's events.
     – **First day of week**: Choose a day to begin each week.
     – **Hide declined events**: Enable or disable display of events.
     – **Lock time zone**: When enabled, sets event times and dates to a specified time zone, so that times and dates do not change if you move to another time zone.
     – **Select time zone**: When Lock time zone is enabled, specify the time zone for all events.
     – **Show week number**: Display the number of the week (1– 52) in a **W** column to the left of **Sun**.
     – **Calendars**: Select calendars to display.

- **Event notification**:
  - **Set alerts & notifications**: Choose Alert to receive alerts, Status bar notification to display notifications in the Status bar, or Off for no notifications or alerts.
  - **Select Ringtone**: Choose a ringtone for event notifications, then touch **OK**.
  - **Vibration**: Enable/disable vibration for event notifications.
  - **Default reminder time**: Choose a default reminder time for Calendar events (default time is 15 minutes).
  - **Notifications while screen is off**: Enable/disable display of notifications on the full screen while the screen is blanked.
- **Sync settings**:
  - **Sync events/tasks**: Launch the **Accounts and sync** screen to select synchronization options. (For more information, refer to *"Accounts and sync"* on page 150..)
- **Gesture**:
  - **Swipe with two fingers**: Show animation demonstrating how to change the Calendar view with a simple swipe with two fingers.

Sending Events

Send events as vCalendar files to other compatible devices. For more information, refer to *"Connections"* on page 113..

1. From the Home screen, touch ▦ **Apps** ➔ 🗓 **Calendar**.
2. Touch an event to display its details.
3. Touch ▤ **Menu** ➔ **Share via**.
4. Select the desired Sharing method from the **Share via** pop-up.
5. Follow the prompts to send a copy of a Calendar event to another device.

Camera

Use your phone's built-in Camera to take pictures and record video. For more information, refer to *"Camera"* on page 84..

■ From the Home screen, touch ▦ **Apps** ➔ 📷 **Camera**.

Camcorder

Use your phone's built-in Camcorder to record video. For more information, refer to *"Camcorder"* on page 87..

■ From the Home screen, touch ▦▦ **Apps →**
   ◉ Camera → ┇ Mode.

Clock

The Clock application includes these features:

• **Alarm clock**: Create alarms to go off once, or to repeat.

• **World clock**: Display the time and date in any time zone.

• **Stopwatch**: Record lap times.

• **Timer**: Measure elapsed time.

• **Desk clock**: Choose whether the clock calendar and weather displays on the screen and what outputs are active, when you connect your phone to an optional dock.

1. From the Home screen, touch ▦▦ **Apps → ⊗ Clock**.

2. Follow the on-screen instructions for using the Clock application.

Contacts

Contacts lets you access and manage your Contacts list, Contacts Groups, Favorites list, and Speed dial settings. For more information, see *"Contacts"* on page 44.

■ From the Home screen, touch ▦▦ **Apps → 👤**
   Contacts.

Chrome

The Google Chrome app allows you to use the Google Chrome web browser on your phone.

1. From the Home screen, touch ▦▦ **Apps → ◯**
   Chrome.

2. Read the Google Chrome Terms of Service and tap **Accept and Continue**.

3. If you have an existing Chrome account, tap **Sign in** to bring your open tabs, bookmarks, and omnibox data from your computer to your phone, otherwise tap **No thanks**.

4. Follow the on-screen instructions to use Google Chrome.

Downloads

View and manage files and other items you download to your phone.

1. From the Home screen, touch ▦ **Apps** ➔
   ⬇ **Downloads**.

2. Touch an item to open it (if an appropriate application is installed.)

Note: Applications that you download from Google Play™ Store are managed with the Play Store application and do not display in **Downloads**.

Dropbox

Access your desktop files directly from your phone. Take your files with you when you're on the go, edit files in your Dropbox from your phone, upload photos and videos to Dropbox, and share your selected files freely with family and friends.

The on-phone application works in conjunction with a partner program on a target computer using an active Internet connection.

Dropbox creates a folder that automatically synchronizes its contents across all of your connected devices on your account. Update a file to your Dropbox on your computer, and it is automatically updated to the same folder on your other devices.

Download the desktop application

1. Use your computer's browser to navigate to:
   http://www.dropbox.com/.

2. Follow the on-screen instructions to install this application on your target computer containing the desired files.

Important! The computer application must be installed on the computer containing the desired files.
This computer must have an active Internet connection.

It might be necessary to configure your router's firewall settings to allow this application to gain access to the Internet.

Accessing Dropbox on your Device

1. From the Home screen, touch ▦▦ **Apps** ➔ 📦 **Dropbox**.

2. Follow the on-screen instructions.

3. Touch an item to open it.

Email

Send and receive email using popular email services. For more information, see *"Email"* on page 71.

■ From the Home screen, touch ▦▦ **Apps** ➔ @ **Email**.

Flipboard

This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. Flip through your Facebook newsfeed, tweets from your Twitter account, photos from friends and much more.

1. From the Home screen, tap ▦▦ ➔ **Flipboard** ▐█.

2. Tap **Get started**, select some on-screen categories and tap **Done** to create a new profile.

   – or –

   Tap **Sign In** to log into your previously created profile.

3. Follow the on-screen instructions.

Gallery

The Gallery is where you view photos and videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 89..

Note: You can increase Gallery photo and video storage by installing a memory card. For more information, see *"Installing a Memory Card"* on page 9.

■ From the Home screen, touch ▦▦ **Apps** ➔ 🖼 **Gallery**.

Game Hub

Game Hub Provides a premium one-stop service center that lets you play, connect and share games on compatible Samsung Android devices. Game Hub comes pre-packaged with some of the most popular social and premium HD games that have been specially customized to play on your device.

1. From the Home screen, tap ▦▦ **Apps** ➔ 🎮 **Game Hub**.

2. Read the on-screen disclaimer and tap **Confirm**.

3. Follow the on-screen instructions and navigate to your favorite games and services.

Gmail

Send and receive emails via Gmail, Google's web-based email. For more information, see *"Gmail"* on page 72.

■ From the Home screen, touch ▦ **Apps** ➔ **Gmail**.

Google+

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to *"Google+"* on page 74.

■ From the Home screen, touch ▦ **Apps** ➔ **Google+**.

Internet

Your phone is equipped with a full HTML Browser, which allows you to access the internet. **For more information, refer to** *"Internet"* **on page 113.**.

■ From the Home screen, select **Internet**. Your Wireless Provider's mobile home page displays in the Internet screen.

Kies air

Kies air lets you synchronize your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. For more information, refer to *"Kies air"* on page 126..

■ From the Home screen, touch ▦ **Apps** ➔ **Kies air**.

Latitude

Use Google Latitude to locate your friends on a map, and share or hide your location.

■ From the Home screen, touch ▦ **Apps** ➔ **Latitude**.

Note: You must enable location services to use Latitude, and some features require Standalone or Google location services. For more information, see *"Location services"* on page 151.

Local

Google Places uses your location to help you find nearby destinations, such as restaurants, bars, hotels, attractions, ATMs and gas stations, or you can enter a location.

Note: You must enable location services to use Local, and some features require Standalone or Google location services. For more information, see *"Location services"* on page 151.

■ From the Home screen, touch ▦ **Apps** ➔ **Local**.

Maps

Use Google Maps to find your current location, get directions, and other location-based information. The Google Maps shortcut displays by default on the Home screen.

Note: You must enable location services to use Maps, and some features require Standalone or Google location services. For more information, see *"Location services"* on page 151.

■ From the Home screen, touch ▦ **Apps** ➔ **Maps**.

Tip: A shortcut to Maps displays on the Main Home screen by default.

Navigating the Map

Zooming

• Double-tap on the screen to zoom in.

• Touch Zoom in or Zoom out.

Scrolling

• Touch and drag on the screen to reposition the map in the display.

Touch

• Touch an icon on the map to display information about the location.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. With hundreds of titles available at your fingertips, entertaining on the go has never been easier. You can rent or purchase your favorite content and watch from the convenience of anywhere. Featuring the stunning viewing quality Samsung is known for, Samsung Media Hub is your gateway to mobile video like you've never experienced it before.

Browse the latest movies and TV shows, then rent or purchase the media for viewing on your phone. For more information, refer to *"Media Hub"* on page 76.

■ From the Home screen, touch ▦▦ **Apps** ➔ ⓜ **Media Hub**.

Messaging

Messaging lets you exchange text and multimedia messages with compatible device users. For more information, refer to *"Messaging"* on page 67.

■ From the Home screen, touch ▦▦ **Apps** ➔ ✉ **Messaging**.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone. For more information, refer to *"Messenger"* on page 74.

■ From the Home screen, touch ▦▦ **Apps** ➔ 🗨 **Messenger**.

Mobile Web

Mobile Web browser lets you use your phone service to access the Web.

1. From the Home screen, touch ▦▦ **Apps** ➔ 🧭 **Mobile Web**.

2. Follow the online prompts to use the More services application.

More Services

Access to additional Samsung Apps and services. Works in conjunction with the Samsung Apps feature.

1. From the Home screen, touch ▦ **Apps** ➔ 🔵 **More services**.

2. Follow the on-screen prompts to use the More services application.

Music Player

The Music Player is an application that can play music files. The music player supports files with extensions AAC, AAC+, eAAC+, MP3, and WMA. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists. For more information, refer to *"Music Player"* on page 76..

■ From the Home screen, touch ▦ **Apps** ➔ 🎵 **Music Player**.

My Account

Displays information about your Cricket account.

1. From the Home screen, touch ▦ **Apps** ➔ 🟡 **My Account**.

2. Follow the online prompts to access your account.

My Files

Find, view and manage files stored on an installed memory card. If the file is associated with an application on your phone, you can launch the file in the application.

1. From the Home screen, touch ▦ **Apps** ➔ ⬜ **My files**.

2. Tap a folder and scroll down or up until you locate a file.

3. Touch a file to launch it in the associated application (if the file is associated with an application).

4. While browsing files, use these controls:
    *   Touch 🏠 **Home** to go back to the root directory.
    *   Touch ⬆ **Up** to go back up to a higher directory.
    *   Touch ▤ **Menu** for options.

MyBackup

MyBackup, when activated, automatically backs up your Contact information to a server provided by your Wireless Provider.

1. From the Home screen, touch ▦ **Apps** ➔ 🔵 **MyBackup**.

2. Follow the on-screen to set up your backup (as provided by your Wireless Provider).

Navigation

Use Google Navigation to search for locations, and get turn-by-turn directions.

Note: You must enable location services to use Navigation, and some features require Standalone or Google location services. For more information, see *"Location services"* on page 151.

1. From the Home screen, touch ▦ **Apps** ➔ ▲ **Navigation**.

2. Follow the online prompts to use the Navigation application.

Phone

The Phone application allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 53..

■ From the Home screen, touch ▦ **Apps** ➔ 📞 **Phone**.

Play Books

Google Books is now Google Play™ Books. With Google Play Books, you can shop the world's largest selection of ebooks and read them anywhere you like—on a tablet, phone, eReader, or the Web. For more information, refer to *"Google Play Books"* on page 82..

■ From the Home screen, touch ▦ **Apps** ➔ 📘 **Play Books**.

Play Magazines

Google Play Magazines is a subscription service where you can shop a wide selection of titles, from cooking to technology, travel, fashion, sports, photography, and more. Buy new issues or back issues, subscribe and get free 14- or 30-day trials, and customize your reading experience for your phone. For more information, refer to *"Google Play Magazines"* on page 82..

■ From the Home screen, touch ▦ **Apps** ➔ 📖 **Play Magazines**.

Play Movies & TV

Google Movies is now Google Play™ Movies & TV. With Google Play Movies & TV, you can rent or purchase thousands of movies and TV shows. You can watch instantly, or download your movie or TV show for offline viewing at a later time. For more information, refer to *"Google Play Movies & TV"* on page 82..

■ From the Home screen, touch ▦ **Apps** ➔ ■ **Play Movies & TV**.

Play Music

With Google Play Music, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to *"Google Play Music"* on page 83..

■ From the Home screen, touch ▦ **Apps** ➔ 🎧 **Play Music**.

Play Store

Android Market is now Google Play™ Store, where all your favorite books, movies, apps, and games are all in one place that's accessible from the Web and your Android device. You'll need to have a Google account set up on your phone to download a new application.

1. From the Home screen, touch ▦ **Apps** ➔ 🛒 **Play Store**.

2. The first time you open Play Store, read the Terms of Service, then touch **Accept** to continue.

3. Browse for applications to download, then follow the on-screen prompts.

S Memo

The S Memo application allows you to create memos using the keypad, your finger, or both. You can add images, voice recordings, and text all in one place.

Creating a New Memo

1. From the Home screen, tap ▦ **Apps** ➔ S **S Memo**. The S Memo screen is displayed.

2. Tap an existing Memo to open it. then tap the screen to enter edit mode.

   – or –

   Tap ╋T to start a new memo in text mode with the keypad displayed or tap ╋∠ to start a new memo in drawing mode using your finger or a compatible on-screen writing tool. You can change back and forth in a memo to add text with the keypad and the pen.
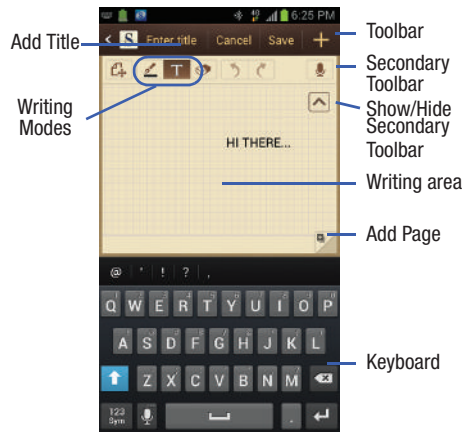
The icons that you see displayed on the screen are described in the following table:

╋ Save the memo.

🗗 Change the view mode.

∠ Add free-format drawing.

T   Display the keypad to add text.

◇   Erase marks and drawings.

↺   Undo the last action.

↻   Redo the last action that was undone.

🎤   Make a voice recording to add to the memo.

∧   Hide the secondary toolbar.

∨   Show the secondary toolbar.

⊞   Add an additional page to the memo.

3. Press **▤** to access the following options:

Note: Depending on whether you have saved the memo, are in keypad mode, or in handwriting mode, the options will appear differently. The following is a list of the options you may see.

• **Rename**: Change the current memo title.

• **Share via**: Share your memo using Group Cast, ChatON, Dropbox, Flipboard, Picasa, Google+, Bluetooth, Wi-Fi Direct, Messaging, Gmail, or Email.

• **Handwriting-to-text**: Transcribe handwriting into text.

• **Export**: Save the memo to your Gallery or as a PDF.

• **Sync**: Sync the current memo with either Google Docs or Evernote.

• **Save as**: Save the memo with a different name.

• **Add picture**: Add an image to the current memo. Choose from: Picture, Take picture, Clip Art, Clipboard, or Map.

• **Add tag**: Set tags to add in searches.

• **Add as favorite**: Tag the current memo as a favorite.

• **Change background**: Set the background for your memo. Swipe the screen to the left or right to select a background and then tap **Done**.

• **Link to S Planner**: Link the memo to your Calendar.

• **Lock**: Lock an email by using a PIN number.

• **Set as**: Set a memo as a contact icon, Home screen wallpaper, or Lock screen wallpaper.

• **Print**: Print the screen or web page on a Samsung printer using Wi-Fi.

4. When you have finished creating your memo, touch **Save** on the top menu bar.

S Suggest

This application provides on-screen recommendations for applications that are specifically supported and made for use on your device.

Note: Access to this feature requires that you already be logged in to your Samsung account application.

1. From the Home screen, touch ▦ **Apps →**
   S **S Suggest**.
2. Read the terms and conditions.
3. Touch the **Agree** field (a check mark indicates selection), then touch **Agree**.
4. Select an application from one of the available categories (Picks, Categories, Games, Friends, and Info).
5. Follow the on-screen download and installation instructions.

S Voice

S Voice provides plain language voice recognition control of various features and applications on your phone.

1. From the **Apps** screen, touch 🎤 **S Voice**.
   – or –

   From the Home screen, press ⬒ **Home** twice in quick succession.

2. Read the Samsung Disclaimer and then touch **Confirm** to continue.
3. Read the Vlingo Terms of Service and then touch **Agree** to continue.
4. Read the information on the **About S Voice** screen; then touch **Next**.
5. Read the information on the **Say what you want** screen; then touch **Next**.
6. Read the information on the **Wake up S Voice** screen; then touch **Next**.
7. Read the information on the **Help** screen; then touch **Finish**.
8. At the S Voice screen, say "Hi Galaxy" to wake up S voice.

9. Speak into the phone and follow the on-screen instructions.

Samsung Apps

Samsung Apps recommends the top picks in apps and games for your Samsung device. Browse apps and share your favorites on Facebook®.

1. From the Home screen, touch ▦ **Apps** ➔ **Samsung Apps**.

2. Follow the on-screen download and installation instructions.

Search

Use Google to search the Web.

Tip: The Google Search Widget is available by default on the Home screen. For more information, refer to *"Adding Widgets to the Home screen"* on page 37..

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1. From the Home screen, touch ▦ **Apps** ➔ **Search**.
– or –
From the **Apps** screen, touch **Search**.

2. Enter search criteria. Search results display automatically. Touch a search result to display it in a browser window.

Settings

Configure your phone to your preferences. For more information, refer to *"Settings"* on page 129..

■ From the Home screen, touch ▦ **Apps** ➔ **Settings**.

Storefront

Storefront recommends the top picks in apps and games for your Samsung device. Browse apps and share your favorites on Facebook®.

1. From the Home screen, touch ▦ **Apps** ➔ **Storefront**.

2. Follow the on-screen download and installation instructions.

Talk

Use Google Talk to chat with other Google Talk users. For more information, refer to *"Google Talk"* on page 73..

■ From the Home screen, touch ▦ **Apps** ➔ **Talk**.

Video Player

Video Player identifies and plays video files (3GP or MP4) stored on your phone or on an optional microSD Memory card.

1. From the Home screen, touch ▦ **Apps** ➔ ▶ **Video Player**.

For more information, refer to *"Video Player"* on page 83..

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and immediately send it as a message.

1. From the Home screen, touch ▦ **Apps** ➔ 🎙 **Voice Recorder**.

2. Tap ● **Record** to record an audio file.

3. Tap ■ **Stop** to stop recording. The file automatically saves to the Voice list.

4. From the Recorded files page, touch 📰 and then select one of the following:

• **Share via**: Select a method in which to share this audio file. Selections are: Bluetooth, Dropbox, Email, Gmail, Group Cast, Messaging, or Wi-Fi Direct. Refer to each specific section, depending on the method you selected to send this voice recording.

• **Delete**: Delete 1 or more voice recordings. Tap the recordings to delete and tap **Delete**.

• **Rename**: Rename your recordings.

• **Settings**: The following settings are available:

  – **Storage**: Choose where your recordings will be saved. Select between Phone or memory card.

  – **Default name**: Choose the name prefix for your recordings. For example, if your Default name is Voice, your recordings would be named Voice 001, Voice 002, Voice 003, etc.

  – **Recording quality**: Set the recording quality to High or Normal.

  – **Limit for MMS**: Select On or Off. If you Limit for MMS by selecting On, you will be assured that the recording can be sent in a message.

VPN Client

VPN Client lets you define multiple Virtual Private Networks (VPNs) to your device and connect to them as needed by simply selecting a connection from the VPN Client list.

1. From the Home screen, touch ▦ **Apps** → ◉ **VPC Client**.

2. Follow the on-screen instructions for using this application.

YouTube

Access your YouTube™ account, and view and upload YouTube videos, right from your phone.

■ From the **Apps** screen, touch ▶ **YouTube**.

Accessing Widgets

1. From the Home screen, touch ▦ **Apps** and then the **Widgets** tab. The **Widgets** screen displays on the screen.

   – or –

   Touch and hold on the displayed **Home screen** panel until the Home screen menu displays, then touch **Add to Home screen** → **Apps and widgets**, then the **Widgets** tab. The **Widgets** screen displays on the screen.

2. Sweep your finger right or left to scroll through the Widgets screens and find the desired widget.

3. Touch and hold the widget's image or icon, then position the widget on the Home screen panel to place a widget on the selected Home screen panel.

4. If needed, follow any prompts to configure the widget.

Available Widgets

The following widgets are available for executing on your Home screen:

- **Alarm**: Add, view, and manage alarms you set using this widget or using the Clock application.
- **Allshare Cast:** Lets you share the display of your phone to other Digital Living Network Alliance (DLNA) devices.
- **Assistive light**: Use your phone's flash as a flashlight.
- **Book**: Directly access one of your downloaded electronic books from **Play Store**.
- **Bookmark** (Internet and Chrome): Launch the Internet browser directly to a select bookmark.
- **Bookmarks**: Provides multiple bookmarks using Chrome.
- **Calendar**: View and access your scheduled Calendar events.
- **Calendar (mini today)**: View a small display of today's calendar.

- **Calendar (month)**: View a calendar display of the current month.
- **Calendar (tasks)**: View calendar tasks.
- **Clock (digital)**: View a digital clock-calendar.
- **Clock (funky)**: View an analog clock with distinctive numerals.
- **Clock (modern)**: View an analog clock with simplified display.
- **Contact** (large): Directly access a selected contact for calls or messaging.
- **Contact** (icon only): Directly access a selected contact for calls or messaging.
- **Direct dial**: Immediately call a selected contact.
- **Direct message**: Immediately send a message to a selected contact.
- **Directions & Navigation**: Immediately obtain directions to a selected location.
- **Dropbox Folder**: Directly access one of your Dropbox folders.
- **Dual clock (analog)**: View analog clocks for two selected locations.
- **Dual clock (digital)**: View digital clock-calendars for two selected locations.
- **Email**: View and directly access email messages in your Combined email box.

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- **Flipboard (medium):** Creates a personalized digital magazine out of everything being shared with you.
- **Flipboard (small):** Creates a personalized digital magazine out of everything being shared with you.
- **Game Hub:** Play your favorite games.
- **Gmail**: View and directly access your Gmail messages.
- **Gmail label:** Open Gmail to the conversation list for a label of your choice.
- **Google Play Books**: Directly access your Google books.
- **Google Play Music**: Directly access and play a selected music playbook.
- **Google Search** (opaque background): Perform and manage Internet searches.
- **Google Search** (transparent background): Perform and manage Internet searches.
- **Google+ posts**: View and access your social media site accounts.
- **Media Hub**: View and access What's New on Media Hub.
- **Mono audio**: Switch between Stereo and Mono audio reproduction.
- **Music Player**: Play your music files.

- **Music playlist**: Play a selected music playlist
- **My Call Sound**: Finds the best call sound for use during calls.
- **Negative colors**: Switch your phone's display between photo positive and negative colors.
- **Picture frame**: Directly access your photos and images.
- **Play Store**: View recommendations from and access Google Play Store.
- **S Bookmarks**: View a selected bookmarked web site and directly access it.
- **S Memo**: View and access a stored memo.
- **S Suggest**: View suggested applications for downloading.
- **Settings shortcut**: Directly access selected settings for your phone.
- **Software update**: Directly access your device software status information and access **Software update**.
- **Traffic**: Directly access traffic information for a selected destination.
- **Video Player**: Directly access and play one or more selected videos.
- **Weather**: View current and forecast temperature and weather conditions for a selected location.

- **Yahoo! Finance**: View current prices for selected stocks and/or commodities and directly access additional financial information.
- **Yahoo! News**: View news headlines and access full news articles.
- **YouTube**: Receive and view suggested videos. Directly access your YouTube account.

Section 10: Connections

This section describes the various connections your phone can make, including accessing the Internet with your Browser, Wi-Fi, Bluetooth, and Connecting your PC.

Internet

Your phone is equipped with a full HTML Browser, which allows you to access the internet.

■ From the Home screen, select 🌐 **Internet**. Your Wireless Provider's mobile home page displays in the Internet screen.

Note: Your phone also comes with the Google Chrome mobile browser. For more information, refer to *"Chrome"* on page 96..

Navigating the web
Selecting items on a page

While browsing web pages, use gestures and menus to navigate:

• Touch an item to select it.
• Touch a hyperlink to follow the link.

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• Touch and hold on a hyperlink for options.

Command Keys

• Touch 🔙 **Back** or touch ⬅️ **Back** to return to the previous page.
• Touch ➡️ **Forward** to go to the next page.

Touching and dragging

• Touch and drag your finger on the screen to navigate pages and to reposition pages within the screen.

Entering text in a field

• While browsing, touch a text field to display the virtual QWERTY keyboard to enter text.

Zoom

Note: Some web pages do not support the Zoom function.

• Using two fingers, make a pinch motion on the screen.
  – Pinch in to zoom in on a web page.
  – Pinch out to zoom out on a web page.
• To return a web page to original size, double tap on it.

Entering a URL

Access a website quickly by entering the URL.

1. Touch the **URL** field at the top of the Internet screen, then enter the URL using the virtual QWERTY keyboard. If the **URL** field is not visible, touch and swipe downward until the **URL** field displays.

2. As you enter characters, potential matches display. Continue entering characters, or touch a match to complete the URL, then touch **Go** to load the page.

Copying text

Copy information from a web page.

1. From the Internet screen, browse to the desired website.

2. Touch and hold on the text to enable the text selector, then use the on-screen tools.

Browser Options

■ From the Home screen, touch 🌐 **Internet**, then touch ▤ **Menu** and select from these options:

• **New window**: Displays a new window so you can browse multiple URLs. (For more information, refer to *"Using Browser Windows"* on page 115..)

• **Add bookmark**: Lets you add a URL to your bookmark list

• **Add shortcut to home**: Lets you add a shortcut to your Home screen.

• **Share page**: Lets you share the page using Gmail or as a message.

• **Find on page**: allows you to search in the current page.

• **Desktop view**: allows you to assign the browser to display the current page in the desktop view (to closely mimic the display as it would display on a desktop computer).

• **Save for offline reading**: allows you to store the current page in memory so that it can be read later even if you lose your Internet connection.

• **Downloads**: Displays the download history.

• **Print**: Lets you print the screen or web page on a Samsung printer using Wi-Fi Direct.

• **Settings**: Lets you tailor the Internet browser to suit yourself. For more information, refer to *"Browser Settings"* on page 116..

Using Browser Windows

You can have multiple windows open at one time, and you can switch between windows.

• To open a new window, on the Internet screen, touch [1] **Windows** ➔ **New window**.

• To switch to another open window, touch [2] **Windows**. Touch and swipe to the desired window thumbnail, then touch it to display the window.

• To close a window, touch [2] **Windows**. Touch **Close** beside a window to close it.

Going Incognito

The Incognito feature lets you view Internet sites without leaving records in your browser history or search history, and without traces (such as cookies) being stored on your device.

Note: Any downloaded files are preserved and stay on your device after you exit the incognito mode.

To add an Incognito window:

1. From the Home screen, touch **Apps** ➔ **Internet**, then tap [2] **Windows** ➔ **Incognito**.

2. A new Incognito window displays.

Note: The incognito icon displays in the upper-left of the new browser window while you are in this mode.

3. Browse to the desired web site(s).

To exit from the incognito window:

1. From your browser window, tap [2] (**Windows**).

2. Scroll across the available windows and locate the Incognito window.

3. Tap next to the Incognito window to delete it.

Using Bookmarks

While browsing, bookmark a site to quickly access it later.

Creating a bookmark

1. From the Home screen, touch **Apps** ➔ **Internet**, then browse to the desired website, then touch **Bookmarks** ➔ **Add bookmark**. The **Add bookmark** screen displays.

2. Edit the **Name** and **Address** of the new bookmark as needed, then select the **Folder** where you want it added.

3. Touch **Save** to save the new bookmark.

Accessing bookmarks and history

Launch a bookmarked page, or reload recent pages.

1. From the Internet screen, touch **R Bookmarks**.

2. On the tabs, use these options:

• Touch an item to load the page.

• Touch and hold on an item for options.

• Touch **Menu** for more options.

Deleting Bookmarks

1. From the Bookmarks page, touch and hold the bookmark you want to delete.

2. Touch **Delete bookmark**.

3. In the **Delete** confirmation pop-up, touch **OK**.

Browser Settings

To make adjustments in your browser settings, follow these steps:

■ From the Home screen, touch **Apps** ➔ **Internet**, then touch **Menu** ➔ **Settings**. The following options are available:

• **General**:

– **Set home page**: Sets the current home page for the Web browser.

– **Form auto-fill**: Lets you fill in web forms with a single touch.

– **Auto-fill text**: Lets you enter text to use in the Form auto-fill feature.

• **Privacy and security**:

– **Clear cache**: Deletes all currently cached data. Tap **OK** to complete the process.

– **Clear history**: Clears the browser navigation history. Tap **OK** to complete the process.

– **Show security warnings**: Notifies you if there is a security issue with the current website.

– **Accept cookies**: Allows sites that require cookies to save and read cookies from your device.

– **Clear all cookie data**: Deletes all current browser cookie files.

– **Remember form data**: Allows the device to store data from any previously filled-out forms. Tap this option to deselect it.

– **Clear form data**: Deletes any stored data from previously filled-out forms. Tap OK to complete the process.

– **Enable location**: Allows websites to request access to your location.

– **Clear location access**: Clears location access for all websites. Tap **OK** to complete the process.

– **Remember passwords**: Stores usernames and passwords for visited sites. Tap the option to disable it.

– **Clear passwords**: Deletes any previously stored usernames or passwords. Tap **OK** to complete the process.

– **Enable notifications**: Allows website notifications. Select Always on, On demand, or Off.

– **Clear notifications**: Deletes website notification access information.

• **Accessibility**:

– **Force zoom**: Lets you override the website's request to control zoom.

– **Text size**: Lets you preview the text size, scale the text size using a slider bar, and minimize the font size using a slider bar.

– **Inverted screen rendering**: Lets you preview a website page, select Inverted rendering (black becomes white and vice versa), and adjust the Contrast using a slider bar.

• **Advanced**:

– **Select search engine**: Lets you set your default search engine to Google, Yahoo!, or Bing.

– **Open in background**: New pages are launched in a separate page and displayed behind the current one. Tap the option to disable it.

– **Enable JavaScript**: Enables Javascript for the current Web page. Without this feature, some pages may not display properly. Tap the option to disable it.

– **Enable plug-ins**: Allows the download of plug-ins such as Adobe Flash.

– **Default storage**: Lets you set your default storage to Phone or Memory card.

– **Website settings**: View advanced settings for individual websites.

– **Default zoom**: Adjusts the zoom feature. Set to Far, Medium, or Close.

– **Open pages in overview**: Shows an overview of newly opened web pages.

– **Auto-fit pages**: Allows web page resizing in order to fit the screen.

– **Block pop-ups**: Prevents pop-up advertisements or windows from appearing on-screen. Tap the option to disable it.

– **Text encoding**: Adjusts the current text encoding.

– **Reset to default**: Clears all browser data and resets all settings to default.

- **Bandwidth management**:
  – **Preload search results**: Lets the browser preload high confidence search results in the background to help speed up searches.
  – **Load images**: Allows web page images to load along with the other text components of a loaded website.

- **Labs**:
  – **Quick controls**: Lets you open quick controls and hide the application and URL bars by swiping your thumb from the left or right edge of the screen.
  – **Full screen**: Lets you access Full screen mode and hide the status bar.

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks.

Wi-Fi communication requires access to an existing Wi-Fi network. Wi-Fi networks can be Open (unsecured), or Secured (requiring you to provide login credentials).

Your phone supports the 802.11 a/b/g/n Wi-Fi protocols.

Configuring Wi-Fi Settings

Configure your phone's Wi-Fi settings. For more information, see *"Wi-Fi Settings"* on page 130.

Turning Wi-Fi On or Off

When you turn Wi-Fi service on, your phone automatically searches for available, in-range "hotspots" [also termed WAPs (Wireless Access Points)].

Turning Wi-Fi On

1. From the top of the Home screen, swipe your finger downward to display the Notifications screen.

2. At the top of the Notifications screen, touch 🛜 **Wi-Fi** to turn Wi-Fi On.

Turning Wi-Fi Off

1. From the top of the Home screen, sweep your finger downward to display Notifications.

2. At the top of the Notifications screen, touch **Wi-Fi** to turn Wi-Fi Off.

Scanning and Connecting to a Wi-Fi Network

1. Turn Wi-Fi on (see *"Turning Wi-Fi On"* on page 118). Your phone scans for available hotspots and displays a list of any it finds.

2. To connect to a hotspot, touch it on the pop-up list.
   • If the Wi-Fi network is open, you are automatically connected.
   • If the Wi-Fi network is secured, enter the password at the prompt to connect.

Adding a Wi-Fi Network Manually

1. From the Home screen, touch **Menu → Settings → Wi-Fi**. The **Wi-Fi** options screen displays. (For more information, refer to *"Accessing Settings"* on page 129..)

2. Slide **Wi-Fi** to the right to turn on Wi-Fi.

3. Touch **Add network**, then enter the following values:

• **Network SSID**: Enter the name of the WAP (Wireless Access Point).

• **Security**: Select the type of security used by the WAP.

• **Password**: If the WAP is secured, enter the password or key.

Portable Wi-Fi Hotspot

Use Portable Wi-Fi Hotspot to share your phone's internet connection with a PC or other device through Wi-Fi, using your phone as a mobile hotspot.

Note: Portable Wi-Fi Hotspot requires a subscription to the applicable service to use the application.

Portable Wi-Fi Hotspot consumes battery power and uses data service. While the Portable Wi-Fi Hotspot is active, your phone's applications use the Portable Wi-Fi Hotspot data feature allowance.

Configuring Portable Wi-Fi Hotspot Settings

Configure your phone's Portable Wi-Fi Hotspot settings, including your phone's name and password, and set the visibility of your phone's Wi-Fi hotspot.

Tip: By default, your device's mobile hotspot has no security applied, and any device can connect. For more information about configuring your mobile hotspot, see *"Configuring Portable Wi-Fi Hotspot"* on page 136.

Activating Portable Wi-Fi Hotspot

Activate your phone's Portable Wi-Fi Hotspot application to allow other devices to use your phone's internet connection.

1. From the Home screen, touch ▭ **Menu → Settings**. The **Settings** screen displays.
2. Under **Wireless and network**, touch **More settings → Tethering and portable hotspot**.
3. Slide **Portable Wi-Fi hotspot** ⬜ to the right and follow the prompts to turn Portable Wi-Fi hotspot On.

Connecting a Device via Portable Wi-Fi Hotspot

Use the other device's Wi-Fi control to connect to your phone's Portable Wi-Fi Hotspot.

1. Activate Portable Wi-Fi Hotspot on your phone. For more information, see *"Activating Portable Wi-Fi Hotspot"* on page 120.

2. Activate Wi-Fi on the other device, using that device's Wi-Fi control.
3. Scan for Wi-Fi hotspots, and select your phone from the list. To find your phone's name, see *"Configuring Portable Wi-Fi Hotspot"* on page 136.
4. At the prompt, enter your phone's Portable Wi-Fi Hotspot password.

   By default, the password is your phone's telephone number. For information on changing your phone's Portable Wi-Fi Hotspot password, see *"Configuring Portable Wi-Fi Hotspot"* on page 136.

Wi-Fi Direct

Wi-Fi Direct allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. For example, some printers support Wi-Fi Direct, and you can print from your phone via Wi-Fi Direct.

Configuring Wi-Fi Direct

For information on configuring Wi-Fi Direct, see *"Configuring Wi-Fi Direct"* on page 139.

Turning Wi-Fi Direct On or Off

1. From the Home screen, touch ▤ **Menu → Settings**. The **Settings** screen displays.
2. Under **Wireless and network**, touch **More settings**.
3. Slide **Wi-Fi Direct** [○] to the right to turn Wi-Fi Direct On, or slide **Wi-Fi Direct** [I] to the left to turn Wi-Fi Direct Off.

   Touch **Wi-Fi Direct**. The **Wi-Fi Direct** screen displays, and your phone scans for available Wi-Fi Direct devices and lists them under **Available devices**.

Beaming

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam.

1. From the Home screen, touch ▤ **Menu**, then touch **Settings**.
2. Under **Wireless and network**, touch **More settings**.
3. Touch **NFC** to enable or disable NFC. A check mark displays to indicate activation.

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Note: NFC must be turned on to use **Android Beam** or **S Beam**.

Android Beam

When Android Beam is activated, you can beam application content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more.

Turning Android Beam On or Off

1. From the Home screen, touch ▤ **Menu**, then touch **Settings**.
2. Under **Wireless and network**, touch **More settings**.
3. Touch **NFC** to enable NFC. NFC must be enabled to use Android Beam A check mark displays to indicate activation..
4. Slide **Android Beam** [○] to the right to turn Android Beam On, or slide **Android Beam** [I] to the left to turn Android Beam Off.

Using Android Beam

1. Turn **Android Beam** On. (See *"Turning Android Beam On or Off"* .)

2. Launch the desired feature or application or browse to the desired web page (See *"Applications and Widgets"* on page 91.)

3. Place your phone back-to-back with the device to receive your "beamed" content, then touch the screen on your phone. The receiving device prompts the user to accept your "beamed" content.

4. Once the user of the receiving device accepts your "beamed" content, it displays on the screen of that device.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your gallery, music files from your music player, and more.

Turning S Beam On or Off

1. From the Home screen, touch ▭ **Menu**, then touch **Settings**.

2. Under **Wireless and network**, touch **More settings**.

3. Touch **NFC** to enable NFC. NFC must be enabled to use S Beam. A check mark displays to indicate activation.

4. Slide **S Beam** ◯▇ to the right to turn S Beam On, or slide **S Beam** ▇ I to the left to turn S Beam Off.

Using S Beam

1. Turn **S Beam** On. (See *"Turning S Beam On or Off"* .)

2. Launch 📷 **Camera**, ▶ **Music Player**, or 🖼 **Gallery** (See *"Applications and Widgets"* on page 91). When using Gallery, you can select multiple files to S Beam.

3. Place your phone back-to-back with the device to receive your "beamed" content, then touch the screen on your phone. The receiving device prompts the user to accept your "beamed" content.

4. Once the user of the receiving device accepts your "beamed" content, it displays on the screen of that device.

Bluetooth

Note: For Hearing Aid Compatibility Information, see page 186.

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet.

You don't need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them, even if they are in different rooms.

Configuring Bluetooth Settings

Configure your phone's Bluetooth settings. For more information, see *"Bluetooth settings"* on page 132.

Note: Bluetooth profiles are specifications for services supported by individual devices. For a list of profiles your phone supports, see *"Bluetooth profiles"* on page 131.

Turning Bluetooth On or Off

1. From the Home screen, sweep your finger from the top of the screen downward to display Notifications.

2. Touch **Bluetooth** to turn Bluetooth On.
   Touch **Bluetooth** to turn Bluetooth Off.

Pairing with a Bluetooth Device

Search for a Bluetooth device and pair with it, to exchange information between your phone and the device.

After pairing, your phone and the target device connect with each other and exchange information without a passcode or PIN.

Note: When connected, the **Bluetooth connected** icon displays in the Status Bar. If you receive a new request for connection while connected with a Bluetooth headset, a new Bluetooth icon displays at the left of the Status bar and Notifications displays the connection request.

1. Activate the target device's discoverable mode.

2. On your phone, turn on Bluetooth (see *"Turning Bluetooth On or Off"* on page 123). A list of detected devices displays on your display.

3. From the list of detected devices, touch the target device your phone attempts to automatically pair with the target device.

   If automatic pairing fails, then follow the prompts to complete manual pairing:

   • Enter a PIN for the target device and touch **OK**.

Tip: Some devices use a default passcode of 0000. Refer to the target device's user manual for more information.

   • When prompted to connect with the target device, touch **OK** to complete the connection or touch **Cancel** to retain the pairing only.

Connecting with a Bluetooth Device

1. From the Home screen, touch ▤ **Menu** ➔ **Settings** ➔ **Bluetooth**. The **Bluetooth** screen displays on the screen.

2. Under **Available devices**, touch a previously paired device. The device connects with your phone.

Tethering

Use Tethering to share your phone's internet connection with a computer connected to your device using the USB data/charging cable, or using Bluetooth.

For more information, refer to *"Tethering and Portable Hotspot"* on page 135..

1. From the Home screen, touch ▤ **Menu** ➔ **Settings**. Under **Wireless and network**, touch **More settings** ➔ **Tethering and portable hotspot**. The **Tethering and portable hotspot** screen displays.

2. Choose a tethering method:
   • **USB tethering**: Connect the computer to the phone via USB cable, then touch **USB tethering** to turn tethering On or Off. A check mark displays to indicate activation.
   • **Bluetooth tethering**: Connect your phone with the computer using Bluetooth. Consult the computer's documentation for more information about using your computer to make a Bluetooth connection. Touch **Bluetooth Tethering** to turn tethering On or Off. A check mark displays to indicate activation.
   • **Help**: Provides assistance with tethering.

Note: Using Tethering requires a subscription to your Wireless Provider's mobile data service.

VPN

You can use your phone's VPN (Virtual Private Network) feature to connect to VPNs.

Configuring VPN Settings

For information about configuring your phone's VPN settings, see *"VPN"* on page 139.

Accessing a VPN

1. From the Home screen, touch ☰ **Menu** ➔ **Settings**.
2. Under **Wireless and network**, touch **More settings** ➔ **VPN**. The **VPN** screen displays, listing available VPN connections.
3. Touch a VPN and follow any prompts to access the network, or touch **Add VPN network** to create a new VPN connection.

PC Connections

You can connect your device to a PC using an optional PC data cable using various USB connection modes.

Storage: Lets you use the built-in mass storage and memory card capacity of the phone to store and upload files. This option lets your computer treat your phone's installed and card memory as removable storage drives.

Kies air: Lets you wirelessly synchronize files on your phone (in mass storage and on a memory card) with files on your Windows PC, provided they are both on the same Wi-Fi network.

Note: To sync your device to your PC, it is highly recommended that you install Samsung Kies which is available at http://www.samsung.com/kies (for Windows/Mac).

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies air 2.0 or Windows Media Player 10 or higher installed on your computer.

Connecting as a Storage Device

You can connect your device to a personal computer, have your device display as a removable disk, and access your device's file directory. If you insert a memory card in the device, you can also access the files directory on the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Connect the USB cable to the device and connect the cable to the computer. After a few seconds, a pop-up window displays on the PC, prompting you to choose how to access the new device.

2. On the PC pop-up, click **Open device to view files**. You can now transfer files between the PC and your phone's memory and memory card (if installed).

Kies air

Kies air lets you wirelessly synchronize files on your phone (in mass storage and on a memory card) with files on your Windows PC, provided they are both on the same Wi-Fi network. You can view and share call logs, videos, photos, music, bookmarks, ringtones, and even send SMS messages from your PC.

To use Kies air, follow these steps:

1. Sign onto the same Wi-Fi network from your phone and from your PC.

2. On your phone, from the Home screen, touch ▦▦▦ ➔ 🔣 **Kies air**.

3. From the Kies air homescreen, tap **Start**. A web URL displays on your phone's screen.

4. On your PC, enter the URL in your web browser.

5. On your phone, an Access Request prompt displays. Touch **Allow** to continue.

6. Touch the **Remember for today** checkbox if you are using Kies air with the same PC later.

7. From your PC, a security warning may be displayed asking if you want to run this application. Click **Run** to continue.

8. On your PC, the Kies air screen displays. On your phone, the 🔣 icon displays on the Status Bar.

9. Follow the on-screen instructions to view and share information between your phone and PC.

10. To exit the Kies air application, touch **Stop** on your phone, then exit the web browser on your PC.

AllShare Cast

AllShare Cast lets your phone share the contents of its display with other Digital Living Network Alliance (DLNA) certified devices, such as Smart televisions.

Note: To view more information about DLNA certified products visit http://www.dlna.org/home.

1. Connect your phone and another DLNA certified device to the same Wi-Fi network. (For more information, refer to *"Wi-Fi"* on page 118..)

2. On your phone press ⬒ **Home**, then touch ☰ **Menu → Settings**. The **Settings** screen displays.

3. Under **Wireless and network**, touch **More settings**. The **Wireless and networks** screen displays.

4. Touch **AllShare Cast**. The **AllShare Cast** screen displays with **AllShare Cast** already active and begins scanning for available devices. All detected DLNA certified devices are listed under **Available devices**.

5. Touch the desired device to establish a connection. You can now view the contents of your phone's display on the connected device.

Nearby devices

Share files with nearby Digital Living Network Alliance (DLNA) certified devices over Wi-Fi. For more information, refer to *"Nearby devices"* on page 140..

Note: To use Nearby devices for sharing, you must have set up a connection with another Wi-Fi device that supports DLNA.

1. Connect your phone and another DLNA certified device to the same Wi-Fi network. (For more information, refer to *"Wi-Fi"* on page 118..)

2. On your phone press ⬒ **Home**, then touch ☰ **Menu → Settings**. The **Settings** screen displays.

3. Under **Wireless and network**, touch **More settings** ➔ **Nearby devices**. The **Nearby devices** screen displays.

4. Touch **File sharing** to turn file sharing via DLNA On (a check mark indicates selection). Uncheck **File sharing** to turn file sharing via DLNA Off.

Section 11: Settings

Accessing Settings

■ From the Home screen, touch ▥ **Menu** ➔ **Settings**.

– or –

From the Home screen, touch ▦ **Apps** ➔
⚙ **Settings**.

The **Settings** menu displays.

Using Setting Sliders

■ To enable or disable a setting, slide the setting slider to
the right to turn the setting On. Slide to the left to turn
the setting Off.
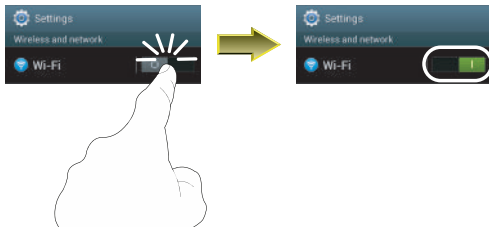
Accessing Additional Options

■ To access additional setting options, touch the setting
label.
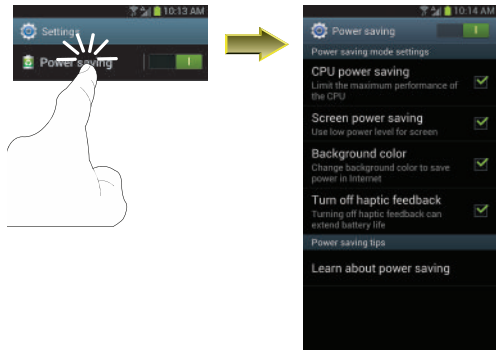
Note: This section does not include information about Call
settings. For Call settings information, see *"Call
Settings"* on page 58.

Wireless and network

Wi-Fi

Set up and manage your phone's connections to Wi-Fi networks. Your phone supports Wi-Fi a/b/g/n.

For more information about using Wi-Fi, see *"Wi-Fi"* on page 118.

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for nearby available Wi-Fi networks.

Tip: When you turn Wi-Fi service on, your phone automatically searches for available networks and displays them.

You can also turn Wi-Fi On or Off from the Notifications panel.

Turn Wi-Fi On:

■ From the Home screen, touch **Menu ➔ Settings**, then slide **Wi-Fi** to the right.
 – or –

From the Home screen and others, touch and swipe the Status bar downward, then touch **Wi-Fi**.

Turn Wi-Fi Off:

■ From the Home screen, touch **Menu ➔ Settings**, then slide **Wi-Fi** to the left.
 – or –

From the Home screen and others, touch and swipe the Status bar downward, then touch **Wi-Fi**.

Wi-Fi Settings

Configure and manage connections to Wi-Fi access points.

1. From the Home screen, touch **Menu ➔ Settings**, touch **Wi-Fi**. The **Wi-Fi** options screen displays.

2. Touch options to configure:

   • **Add network**: Connect to a new Wi-Fi network. For more information, see *"Adding a Wi-Fi Network Manually"* on page 119.

   • **Scan**: Search for available Wi-Fi networks.

   • **Advanced**: View and configure your phone's Advanced Wi-Fi settings.

Advanced Wi-Fi settings

1. From the Home screen, touch ▭ **Menu ➔ Settings**, then touch **Wi-Fi ➔ Advanced**.

2. Configure settings:

    • **Network notification**: When enabled, your phone notifies you of nearby Wi-Fi networks when you launch a high data-usage application.

    • **Keep Wi-Fi on during sleep**: Specify when to switch from Wi-Fi to mobile data for data communications when the phone goes to sleep (when the backlight goes out). Options are Always, Only with plugged in, or Never (increases data usage). This setting can affect your data usage, and the behavior of devices you connect to your phone, such as when tethering or using Portable Wi-Fi Hotspot.

    • **MAC address**: (Not configurable) View your phone's MAC address, needed for connecting to some secured networks (only shows when Wi-Fi is active).

    • **IP address**: (Not configurable) View your phone's IP address (only shows when connected to a Wi-Fi network).

Bluetooth

Your phone supports Bluetooth® 4.0.

Bluetooth profiles

Bluetooth profiles are specifications for services supported by individual devices. Profiles improve the ability of different devices to work together. Your phone supports these Bluetooth profiles:

• **Headset**: HSP v1.2 profile supports use of compatible Bluetooth headsets for mono voice.

• **Handsfree**: HFP v1.5 profile supports Bluetooth headsets, and may also support other compatible Bluetooth devices with speakerphone capabilities.

• **Stereo**: A2DP v1.2, AVRCP v1.0, GAVDP 1.2, AVCTP 1.3 and AVDTP 1.2 profiles support delivery of stereo audio to compatible Bluetooth devices.

• **Object Exchange**: OPP v1.0 profile allows sending and receiving of contact name cards (vCard 2.1) and calendar events (vCalendar) between devices. PBAP v1.2 supports exchange of Phone Book Objects.

• **Human Interface Devices**: HID v1.0 profile supports certain interface devices.

• **Personal Area Networking**: PAN 1.0 supports exchange of data with other devices.

• **Message Access Profile**: MAP 1.0 allows exchange of messages between devices, such as with an automotive hands-free device.

Turning Bluetooth On or Off

Turn Bluetooth On:

■ From the Home screen, touch ▤ **Menu → Settings**, slide **Bluetooth** ⬜ to the right.

Turn Bluetooth Off:

■ From the Home screen touch ▤ **Menu → Settings**, then slide **Bluetooth** ⬜ to the left.

Tip: You can also turn Bluetooth On or Off at the Notifications Panel.

Bluetooth settings

Pair and connect with other Bluetooth devices, manage your Bluetooth connections, and control your device's visibility to other devices.

Note: Bluetooth must be turned On to access Bluetooth settings.

1. From the Home screen touch ▤ **Menu → Settings**, then touch **Bluetooth**.

2. Touch a setting to configure Bluetooth:

• Slide **Bluetooth** ⬜ to the right to turn Bluetooth On, or slide **Bluetooth** ⬜ to the left to turn Bluetooth Off.

• Touch your phone's name to enable/disable its visibility to other devices' Bluetooth searches. This option is only available when Bluetooth is On.

• Touch **Scan** to search for visible Bluetooth devices. Touch a detected device to pair with it. see *"Pairing with a Bluetooth Device"* on page 123).

• Touch ▤ **Menu** to access the following options:

– **Device name**: Change your phone's Bluetooth device name.

– **Visible time-out**: Select how long your phone will remain visible to other devices.

– **Show received files**: Lists files received from other devices over Bluetooth connections.

Data usage

Control your device's connection to your Wireless Provider's data service, and monitor your data usage.

Turning Mobile data On or Off

1. From the Home screen touch ▤ **Menu → Settings**, then touch **Data usage**. The **Data usage** screen displays.
2. Touch **Mobile data** to enable or disable data usage. When enabled, a check displays in the checkbox.

Tip: You can also turn Mobile data On or Off at the Notifications panel.

Setting a Mobile data limit

Setting a Mobile data limit causes your phone to automatically disable the Mobile data connection when the limit is reached. You can set a warning threshold, to have your device alert you when data usage nears your set limit.

Data usage is measure by your device, and your service provider may account for usage differently, so you may want to consider using a conservative limit. Contact your service provider for more information on actual data usage.

1. From the Home screen touch ▤ **Menu → Settings**, then touch **Data usage**. The **Data usage** screen displays.
2. Touch **Set mobile data limit** to enable or disable the limit. When enabled, a check displays in the checkbox.
3. Configure the mobile data limit by touching and dragging the **limit** and **warning** vertical lines on the graph.
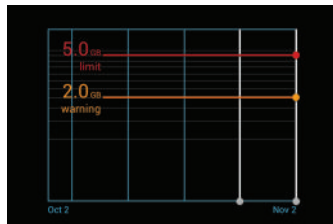
Viewing Application/Process Data Usage

1. From the **Settings** screen, under **Wireless and network**, touch **Data usage**. The **Data usage** screen displays.

2. Scroll down the page to see the top three processes or applications using mobile data service. Touch a process or application to see data usage for the process or application, and to configure specific settings.

More Wireless and Network Settings

Airplane mode

When airplane mode is enabled, all your phone's wireless connections are disabled, and you cannot make or receive calls [except for Emergency (E911) calls] or messages. You can, however, make Wi-Fi and Bluetooth connections.

While in airplane mode, you can use other features of your phone, such as playing music, watching videos, or using other applications.

1. From the Home screen touch ▤ **Menu → Settings**, then touch **More settings**. The **Wireless and network** menu displays.
2. Touch **Airplane mode** to enable or disable airplane mode. When enabled, a check displays in the checkbox.

Note: You can also control this setting at Notifications with the Airplane mode toggle.

Mobile networks

Set options for network selection, data service, and roaming behavior.

1. From the Home screen touch ▭ **Menu → Settings**, then touch **More settings → Mobile networks**. The **Mobile network** screen displays.

2. Set these options:
   • **Use packet data**: Enable or disable your phone's connection to the mobile data network. You can also control this setting at Notifications with the Mobile data toggle.
   • **Data roaming**: Enable or disable connection to data services when your device is roaming on another network. For more information about roaming, see *"Roaming"* on page 16.
   • **Network mode**: Configure roaming for CDMA, LTE, and EV-DO networks.
     – **LTE/CDMA**: Lets your phone automatically access LTE, CDMA, and/or EV-DO mobile networks when available.
     – **CDMA**: Restricts your phone to CDMA mobile networks.
   • **System select**: Configure CDMA roaming mode.
     – **Home only**: Restricts your phone to your Wireless Provider's network.

     – **Automatic**: Permits your phone to automatically roam to networks other than that provided by your Wireless Provider.

Tethering and Portable Hotspot

Use Tethering to share your phone's internet connection with a computer that connects to your device via USB cable, or by Bluetooth.

For more information about connecting computers to your phone via Tethering, see *"Tethering"* on page 124.

Portable Wi-Fi Hotspot

Use Portable Wi-Fi Hotspot to share your phone's internet connection with up to 5 other devices, through Wi-Fi.

You can control whether devices connect to your Portable Wi-Fi Hotspot with the Allowed device list.

For more information about using your phone as a mobile hotspot, see *"Portable Wi-Fi Hotspot"* on page 119.

Note: Using Portable Wi-Fi Hotspot requires a subscription to data service. For more information, contact your Wireless Provider.

Using your phone as a mobile hotspot consumes battery power and uses data service. While Portable Wi-Fi Hotspot is active, your phone's applications will use your Wireless Provider's data service. Roaming while using your phone as a mobile hotspot will incur extra data charges.

Turning Portable Wi-Fi Hotspot On or Off

1. From the Home screen touch ☰ **Menu → Settings**, then touch **More settings → Tethering and portable hotspot → Portable Wi-Fi hotspot**.

2. Slide **Portable Wi-Fi hotspot** [●] to the right and follow the prompts to turn Portable Wi-Fi hotspot On, or slide **Portable Wi-Fi hotspot** [●] to the left to turn Portable Wi-Fi hotspot Off.

Configuring Portable Wi-Fi Hotspot

1. From the Home screen touch ☰ **Menu → Settings**, then touch **More settings → Tethering and portable hotspot → Portable Wi-Fi hotspot**. The **Portable Wi-Fi hotspot** screen displays.

2. Touch **Configure** to access the following options:

   • **Network SSID**: View and change the name of your Mobile Hotspot.

   • **Hide my device**: When enabled, your Portable Wi-Fi Hotspot is not visible to other Wi-Fi devices during a scan. Other devices can still connect to your Portable Wi-Fi Hotspot, but will have to set up the connection manually with your Network SSID and Password.

   • **Security**: Choose the security level for your Portable Wi-Fi Hotspot.

   • **Password**: If you choose a security level that uses a password, enter the password. By default, the password is your mobile telephone number.

   • **Show password**: Enable to make the Password field visible.

• **Show advanced options**: Enable to access advanced options, including the Broadcast channel to specify the channel your device uses for Portable Wi-Fi Hotspot.

Allowed Device List

Control whether devices connect to your Portable Wi-Fi hotspot with the Allowed device list. After you add devices to the list, they can scan for your device and connect using your device's Wi-Fi hotspot name (SSID) and password.

Note: Using your phone as a mobile hotspot consumes battery power and uses data service. While Portable Wi-Fi Hotspot is active, your phone's applications will use your Wireless Provider's data service. Roaming while using your phone as a mobile hotspot will incur extra data charges.

1. From the Home screen touch **Menu → Settings**, then under **Wireless and network**, touch **More settings → Tethering and portable hotspot → Portable Wi-Fi hotspot**. The **Portable Wi-Fi hotspot** screen displays.

2. Touch **Allowed devices → Add device**, then enter the other device's Device name and MAC address.

3. Touch **OK** to add the device to the **Allowed devices** list.

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Tip: For information about connecting to your Portable Wi-Fi Hotspot, see *"Connecting a Device via Portable Wi-Fi Hotspot"* on page 120.

NFC

Use NFC (Near Field Communication) to share information between your phone and another NFC device by touching the devices together, typically back-to-back.

For more information about sharing with NFC, see *"Android Beam"* on page 137 and *"S Beam"* on page 138.

1. From the Home screen touch **Menu → Settings**, then touch **More settings**.

2. Touch **NFC** to turn NFC On or Off. When On, a checkmark displays in the checkbox.

Note: NFC must be turned on to use Android Beam or S Beam.

Android Beam

Android Beam uses your phone's NFC (Near Field Communication) feature to send, or "beam," application content to another NFC device, by holding the devices close together.

Android Beam works in the background. Use the sharing options from your favorite applications to select content to share via Android Beam. You can beam browser pages, YouTube videos, contacts, and more.

1. From the Home screen touch 🔲 **Menu → Settings**, touch **More settings**.

2. Touch **NFC** to enable NFC. NFC must be enabled to use Android Beam. When enabled, a checkmark displays in the checkbox.

3. Touch **Android Beam**. The **Android Beam** screen displays.

4. Slide **Android Beam** ⬜ to the right to turn Android Beam On, or slide **Android Beam** ⬜ to the left to turn Android Beam Off.

S Beam

S Beam uses your phone's NFC (Near Field Communication) to send, or "beam," content to other NFC and Wi-Fi Direct devices, by holding the devices close together.

S Beam works in the background. To share pictures or videos from Gallery, videos from Video player, or songs from Music player. Just bring the devices together (typically back-to-back), then tap the screen.

Turning S Beam On or Off

1. From the Home screen touch 🔲 **Menu → Settings**, then touch **More settings**.

2. Touch **NFC** to enable NFC. NFC must be enabled to use S Beam. When enabled, a checkmark displays in the checkbox.

3. Touch **S Beam**. The **S Beam** screen displays.

4. Slide **S Beam** ⬜ to the right to turn S Beam On, or slide **S Beam** ⬜ to the left to turn S Beam Off.

Wi-Fi Direct

Wi-Fi Direct allows devices to connect to each other directly via Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. For example, some printers support Wi-Fi Direct, and you could print from your phone via Wi-Fi Direct.

Turning Wi-Fi Direct On or Off

1. From the Home screen touch 🔲 **Menu → Settings**, then touch **More settings**.

2. Slide **Wi-Fi Direct** ⬜ to the right to turn Wi-Fi Direct On, or slide **Wi-Fi Direct** ⬜ to the left to turn Wi-Fi Direct Off.

Touch **Wi-Fi Direct**. The **Wi-Fi Direct** screen displays, and your phone scans for available Wi-Fi Direct devices and lists them under **Available devices**.

Configuring Wi-Fi Direct

1. From the Home screen touch ▤ **Menu → Settings**, then touch **More settings**.
2. Touch **Wi-Fi Direct** to configure settings:
   • When you turn on Wi-Fi Direct, your device automatically searches for available Wi-Fi Direct devices nearby. Touch **Scan** to start a new search.
   • After scanning for nearby devices, touch a device to connect to it, then follow the prompts to complete the connection.
   • Touch **Multi-connect** to create a connection to devices that support multi-connect. Touch **Scan** to search for available multi-connect devices, then touch the devices you want to connect to and follow the prompts to complete the connection.

AllShare Cast

AllShare Cast lets your phone share the contents of its display with other Digital Living Network Alliance (DLNA) certified devices, such as Smart televisions.

For more information, refer to *"AllShare Cast"* on page 127..

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1. From the Home screen touch ▤ **Menu → Settings**, then touch **More settings → AllShare Cast**.
2. Slide **AllShare Cast** ⬚⬚⬚ to the right to turn AllShare Cast, or slide **AllShare Cast** ⬚⬚⬚ to the left to turn AllShare Cast Off.

   Touch **Scan** to find search for available devices, then touch the device you want to connect to and follow the prompts to complete the connection.

Note: To view more information about DLNA certified products visit http://www.dlna.org/home.

VPN

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see *"VPN"* on page 125.

Adding a VPN

1. From the Home screen touch ▤ **Menu → Settings → More settings → VPN**.
2. Touch **Add VPN network** to set up a connection to a VPN, using the following settings:
   • **Name**: Enter a name for the VPN connection.
   • **Type**: Choose the type of VPN.

- **Server address**: Enter the IP address of the VPN server.

- **PPP encryption (MPPE)**: Touch to enable or disable encryption.

- **Show advanced options**: Touch to show more options. Available options depend on the type of VPN you are adding.

Note: You must enable at least Pattern security before setting up a VPN. If you have not yet enabled security, you'll be prompted to do so the first time you launch VPN settings.

Nearby devices

Share files with nearby devices via DLNA (Digital Living Network Alliance) over Wi-Fi. For more information about using Nearby devices, see *"Nearby devices"* on page 127.

Note: To use Nearby devices for sharing, you must set up a connection with another Wi-Fi device that supports DLNA.

1. From the Home screen touch **Menu → Settings**, then touch **More settings → Nearby devices**. The **Nearby devices** screen displays.

2. Touch **File sharing** to turn enable or disable file sharing via DLNA. When enabled, a checkmark displays in the checkbox.

3. Under **Advanced**, touch options to control how content is shared from your device:

- **Shared contents**: Choose the type of content to share, from **Videos**, **Photos**, or **Music**.

- **Device name**: View or modify your device's name.

- **Access control**: Choose whether other devices access your content, from **Allow all** or **Only allowed devices**.

- **Allowed devices list**: Lists Wi-Fi devices allowed to access your phone.

- **Not-allowed devices list**: Lists Wi-Fi devices blocked from accessing your phone.

- **Download to**: Choose a location to save downloaded content, from USB storage or SD card.

- **Upload from other devices**: Choose how to handle incoming files from other devices, from **Always accept**, **Always ask**, or **Always reject**.

Device

Sound

■ From the Home screen touch ▭ **Menu → Settings → Sound**. The **Sound** menu displays.

Sound Profiles

Use Sound Profiles to configure whether you want sound to play, the phone to vibrate, or all sounds are muted.

1. From the **Sound** menu, under **General**, touch **Sound**. The **Sound profiles** menu displays.

2. Touch Sound profiles, then select one of the following options:
   • **Sound**: Plays sound when tones are selected.
   • **Vibrate**: The phone vibrates instead of playing a sound.
   • **Mute**: The phone does not play any sounds.

Volume

Set the system volume level, and set default volume for media playback, call ringtones, notifications, and system sounds.

Note: You can also set System volume from the Home screen by pressing the **Volume** key Up or Down.

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1. From the **Sound** menu, under **General**, touch **Volume**. The **Volume** menu displays.

2. Touch and drag the sliders for:
   • **Music, video, games, and other media**: Set the default volume level for audio playback. You can also adjust volume from this default inside the applications.
   • **Ringtone**: Set the volume for incoming call ringtones.
   • **Notifications**: Set the volume for notifications, such as new messages and event reminders.
   • **System**: Set the volume for all other system sounds, such as keytones played for screen touches. You can control whether tones play for screen touches with other sound settings.

3. Touch **OK** to save your settings.

Vibration intensity

Set the level for vibration to accompany ringtones and notifications.

1. From the **Sound** menu, under **General**, touch **Vibration intensity**. The **Vibration intensity** menu displays.

2. Touch and drag the sliders for:
   • **Incoming call**: Set the vibration level for incoming call ringtones.

- **Notification**: Set the vibration level for notifications, such as new messages and event reminders.
- **Haptic feedback**: Set the vibration level vibrations to accompany screen touches.

3. Touch **OK** to save your settings.

Device ringtone

Choose a ringtone for incoming calls.

1. From the **Sound** menu, under **Ringtone and notifications**, touch **Device ringtone**. The **Device ringtone** menu displays.
2. Touch a ringtone to select it. When you touch a ringtone, a sample plays, unless you have a Silent mode enabled.
3. Touch **OK** to save your selection.

Tip: You can also set songs as ringtones for all calls or for a selected contact. For more information, refer to *"Music Player"* on page 76..

Device vibration

Choose a vibration pattern to use when vibration is enabled.

1. From the **Sound** menu, under **Ringtone and notifications**, touch **Device vibration**. The **Device vibration** menu displays.
2. Touch a vibration pattern to select it. When you touch a pattern, a sample plays.
3. Touch **Create** to create your own pattern. Touch **Tap to create** the pattern, then touch **Stop**. Touch **Save** to save your pattern.
4. Name your pattern, and touch **OK** to save your pattern.

Default notifications

Choose a default sound to play for notifications, such as for new messages and event reminders.

1. From the **Sound** menu, under **Ringtone and notifications**, touch **Default notifications**. The **Default notifications** menu displays.
2. Touch a sound to select it. When you touch a sound, a sample plays.
3. Touch **OK** to save your selection.

Sound and vibration

When enabled, vibration is played at the same time as sounds for calls and alerts.

■ From the **Sound** menu, under **Ringtone and notifications**, touch **Sound and vibration** to enable or disable the feature. A check mark indicates activation.

Keytones

Keytones are sounds that play when you touch keys on the phone keypad.

■ From the **Sound** menu, under **System**, touch **Keytones** to enable or disable key sounds. A checkmark indicates activation.

Touch sounds

Touch sounds play when you touch items on the screen, such as when making a selection.

■ From the **Sound** menu, under **System**, touch **Touch sounds** to enable or disable touch sounds. A checkmark indicates activation.

Screen lock sound

Screen lock sound plays when you lock or unlock the screen.

■ From the **Sound** menu, under **System**, touch **Screen lock sound** to enable or disable the Screen lock sound. A checkmark indicates activation.

Haptic feedback

When turned On, the phone vibrates to indicate screen touches and other interactions.

■ From the **Sound** menu, under **System**, touch **Haptic feedback** to turn touch vibrations On or Off. A checkmark indicates activation.

Auto haptic

When enabled, Auto haptic causes haptic vibrations to occur in response to sounds from downloaded applications, such as games.

Note: Some downloaded applications do not support this feature.

1. From the **Sound** menu, under **System**, slide **Auto haptic** [O] to the right to enable haptic vibrations for downloaded applications, or slide **Auto haptic** [I] to the left to disable haptic vibrations for downloaded applications.

Emergency tone

You can set your phone to play an alert tone or vibrate during an emergency call (for example, calls to 911).

1. From the **Sound** menu, under **System**, touch **Emergency tone**.

2. Touch **Alert** or **Vibrate**, or touch **Off** for no emergency tone.

Display

■ From the Home screen touch ▤ **Menu** → **Settings** → **Display**. The **Display** menu displays.

Brightness

Set the default screen brightness.

1. From the **Display** menu, under **General**, touch **Display**, then touch **Brightness**.

2. Touch and drag the slider to set the brightness, or touch **Automatic brightness** to allow the phone to adjust brightness in response to light conditions.

3. Touch **OK** to save the setting.

Screen timeout

Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).

1. From the **Display** menu, under **General**, touch **Screen timeout**.

2. Touch a setting to adjust the Screen timeout setting.

Smart stay

When On, the Smart stay feature prevents screen timeout, if you are using the phone. For example, the phone uses the front camera to identify your eyes, and keeps the screen bright for continued viewing.

■ From the **Display** menu, under **General**, touch **Smart stay** to turn the feature On or Off. A checkmark indicates activation.

Auto-rotate screen

When enabled, the screen's orientation automatically changes when you rotate the phone.

■ From the **Display** menu, under **General**, touch **Auto-rotate screen** if you want the screen to automatically rotate to either landscape or portrait orientation. A checkmark indicates activation.

Tip: You can also set Auto-rotate on the Notifications panel with the Screen rotation setting.

Touch key light duration

Set the length of time keys light when you touch them.

1. From the **Display** menu, under **General**, touch touch **Touch key light duration**.
2. Select **1.5 seconds**, **6 seconds**, **Always off**, or **Always on**.

Font style

Set the font for screen displays.

1. From the **Display** menu, under **Font**, touch **Font style**.
2. Select a font, or touch **Get fonts online** to browse and download a new font.

Font size

Set the font size for screen displays.

1. From the **Display** menu, under **Font**, touch **Font size**.
2. Select a font size (**Tiny**, **Small**, **Normal**, **Large**, or **Huge**).

Auto adjust screen tone

When turned On, your phone automatically analyzes the screen and adjusts the tone.

■ From the **Display** menu, under **Screen**, touch **Auto adjust screen tone** to turn the feature On or Off. A checkmark indicates activation.

Display battery percentage

When On, the battery's charge level displays in the Status bar next to the Battery icon.

■ From the **Display** menu, under **More settings**, touch **Display battery percentage** to turn the setting On or Off. A checkmark indicates activation.

Gyroscope calibration

Calibrate your phone's motion sensors.

1. From the **Display** menu, under **More settings**, touch **Gyroscope calibration**.
2. Follow the prompts to calibrate the motion sensors.

Wallpaper

Customize the background of the Home and Lock screens.

1. From the Home screen touch **Menu** ➔ **Settings** ➔ **Wallpaper**.
2. Select **Home screen**, **Lock screen**, or **Home and lock screens**.
3. Select a source for wallpaper, from **Gallery**, **Live wallpaper**s, or **Wallpapers**. (Live wallpapers are not available for **Lock screen**.)
4. Follow the prompts to set the picture or wallpaper.

Note: You can also set Wallpaper by touching and holding on the Home screen.

LED Indicator

The LED indicator on the front of the phone displays when the phone is locked, to notify you of status changes and events. Use LED indicator settings to configure how the LED functions.

1. From the Home screen touch **Menu** ➔ **Settings** ➔ **LED indicator**. The **LED indicator** screen displays.

2. Touch the following options to enable or disable them (when enabled, a checkmark displays in the check box):
   • **Charging**: When enabled, the LED glows red during charging, and green when the battery is fully charged.
   • **Low battery**: When enabled, the LED blinks red to indicate low battery charge.
   • **Missed event**: When enabled, the LED blinks orange to show that you have missed calls, new messages, or application events.

Motion

Motion lets you control a number of your phone's functions by moving your hand or finger across the screen in a particular pattern or by moving the phone itself in a particular way.

Note: For more information about using Motion, see *"Motions"* on page 22.

1. From the Home screen touch **Menu** ➔ **Settings** ➔ **Motion**. The **Motion** screen displays.

2. Touch **Motion activation** to enable or disable your phone's ability to recognize active gestures. (When this option is enabled, a checkmark displays in the check box.)

3. Configure motion options by sliding the O setting to the right to enable, or sliding the I setting to to the left to disable:

   • **Direct call**: When enabled, you can lift the phone to your ear while viewing a contact to dial the contact's phone number.

   • **Smart alert**: When enabled, the phone will automatically notify you to missed calls and alerts that occurred while the phone was stationary.

   • **Double tap to top**: When enabled, a double tap on the top of the phone takes you to the top of the list.

   • **Tilt to zoom**: When enabled, tilting the phone while in Gallery or Internet causes the screen to zoom in or out.

   • **Pan to move icon**: When enabled, moving the phone in a panning motion (side-to-side) moves a highlighted icon to a new location on the Home screen.

   • **Pan to browse images**: When enabled, moving the phone in a panning motion while viewing an image moves focus around in the image.

   • **Shake to update**: When enabled, shaking the phone starts a new scan for nearby available devices.

   • **Turn over to mute/pause**: When enabled, turning the phone screen-down automatically mutes incoming call ringtones and alerts sounds.

   • **Palm swipe to capture**: When enabled, swiping the screen with the side of your hand (left to right, or right to left) captures a screen shot.

   • **Palm touch to mute/pause**: When enabled, covering the screen with your hand mutes or pauses media playback.

Power saving

Configure Power saving settings to conserve battery power.

1. From the Home screen touch **Menu → Settings → Power saving**. The **Power saving** screen displays.

2. Slide ⬛ **Power saving** to the right to turn On Power saving, or slide ⬛ **Power saving** to the left to turn Off Power saving.

   Power saving must be enabled to configure the **Power saving mode settings**.

3. Touch the following **Power saving mode settings** to enable or disable them. (When an option is enabled, a checkmark displays in its checkbox):

   • **CPU power saving**: When enabled, the phone's maximum performance is limited. This does not affect normal usage, such as browsing and video playback.

   • **Screen power saving**: When enabled, the screen uses reduced frame refresh rate and lower brightness.

   • **Background color**: When enabled, the background uses lower brightness in Email and Internet.

   • **Turn off haptic feedback**: When enabled, no vibration plays when you touch the screen.

4. Touch **Learn about power saving** to read information about Power saving options.

Storage

Manage the use of memory resources in your phone's Device memory, and on an installed memory card.

1. From the Home screen touch **Menu → Settings → Storage**. The **Storage** screen displays.

2. The following options are available:

   • **Device memory**: View usage for, and manage, your phone's internal memory. (For detailed information and to manage storage in use, touch any item except **Total space** or **Available space**.)

   — **Total space**: Shows the total installed device memory.

   — **Apps**: Shows the total device memory currently used to store applications.

   — **Pictures, videos**: Shows the total device memory currently used to store pictures and videos.

   — **Audio**: Shows the total device memory currently used to store music files, ringtones, and more.)

   — **Miscellaneous files**: Shows the total device memory currently used to store various application data and system data files.

– **Available space**: Shows the total device memory available for use.

• **SD card**: View usage for, and manage, storage space on an optional memory card.

– **Total space**: Shows the total card memory.

– **Available space**: Shows the total card memory available for use.

– **Unmount SD card**: Deactivates the memory card so that you can safely remove it or format the memory card. For more information, see *"Installing a Memory Card"* on page 9.

– **Format SD card**: Deletes all data from the memory card, including music, videos, and photos. For more information, see *"Connecting as a Storage Device"* on page 126.

Battery

See how much battery power is being used by device activities.

1. From the Home screen touch 🔳 **Menu** ➔ **Settings** ➔ **Battery**. The **Battery** screen displays.

2. View battery usage for applications and services currently running.

The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.

3. Touch **Screen**, **Cell standby**, **Android System**, **Android OS**, or any other listed feature or application to view how it is affecting battery use.

Note: Other applications may be running that affect battery use.

Application manager

You can download and install applications from the Google Play™ Store, or create applications using the Android SDK and install them on your phone. Use Application manager to manage applications on your phone.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

1. From the Home screen touch ▭ **Menu** ➔ **Settings** ➔ **Application manager**. The **Application manager** screen displays.

2. Touch **Downloaded**, **Running**, or **All** to list the statuses of applications and services. The graph at the bottom of the **Downloaded** tab shows used and free Device memory. The graph at the bottom of the **Running** tab shows used and free RAM.

3. Touch an application or service to display the **App info** or **Active app** screen, which provides more detailed storage usage information and lets you Stop/Force stop or Uninstall/Report and application or service. For Downloaded applications, you can also Clear data, Clear cache, and/or Clear defaults.

Accounts and sync

Set up and manage accounts, including your Samsung, Google, Backup Assistant Plus, and social networking accounts.

■ From the Home screen touch ▭ **Menu** ➔ **Settings** ➔ **Accounts and sync**. The **Accounts and sync** screen displays. The following options are available:

• **Accounts and sync**: When enabled, all accounts sync data at any time, automatically.

– Slide **Accounts and sync** ⬤▭ to the right to enable automatic synchronization of all accounts.

– Slide **Accounts and sync** ▭Ⅰ to the left to disable automatic synchronization of all accounts.

• **Accounts list**: Touch an account and its **Sync settings** screen displays the following options (not all options are available for all accounts):

– **Common settings** /**Settings/Account settings**: When available, lets you change the configuration of the selected account.

– **Data and synchronization**: View, enable, and disable individual synchronization items.

– **Sync now**: Synchronizes the selected account.

– **Remove account**: Removes the selected account.

• **Sync all**: Synchronizes all accounts.

• **Add account**: Touch to launch the **Add account** screen, select the desired account type, and follow the prompts to define the account to your phone.

Location services

Location services control your device's use of GPS signals. Some applications may require one or more location services be turned On for full application functionality.

GPS signals may be affected by your surroundings, including:

- Buildings
- Tunnels or underground structures
- Weather conditions
- High-voltage or electromagnetic fields
- Tinted windows

1. From the Home screen touch ▭ **Menu** → **Settings** → **Locations services**. The **Location services** screen displays.

2. Touch the following options to enable/disable them. (When an option is enabled, a checkmark displays in its check box.)

    • **Use wireless networks**: allows applications to use data from mobile networks and Wi-Fi to help determine your location.

    • **Use GPS satellites**: allows applications to use GPS to pinpoint your location.

• **Location and Google search**: allows Google to use your location data for improved search results and other services.

Note: Use **GPS satellites** must be enabled to use some applications. You can also enable or disable **GPS** from the Notifications panel. For more information, refer to *"Notifications"* on page 26..

Important! By selecting **Use GPS satellites**, you are allowing access to all location information by any third party through web access or any software or peripheral components you choose to install, download, add, or attach to the device or any other means.

Note: Google location services must be enabled to use some applications.

Important! By selecting **Location and Google search**, you are allowing Google's location service to collect anonymous location data. Some data may be stored on your device. Collection may occur even when no applications are running.

Security and lock screen

■ From the Home screen touch ▤ **Menu** ➔ **Settings** ➔ **Security and lock screen**. The **Security and lock screen** screen displays.

Screen security

Choose settings for locking and unlocking your phone.

For more information about using the lock and unlock features, see *"Securing Your Phone"* on page 16.

■ From the Home screen touch ▤ **Menu** ➔ **Settings** ➔ **Security and lock screen**, under **Screen security**, touch the following options to access additional options:

• **Screen lock**: Touch one of the following options to select it as your custom screen lock/unlock method:

  – **Swipe**: When enabled, you unlock the phone by swiping your finger across the screen. This is the default screen lock, and offers no security.

  – **Motion**: When enabled, you unlock the phone by touching and holding on the screen and tilting the phone forward. Touch the option for more information and a demonstration of the motion. This screen lock offers no security.

  – **Face**: When enabled, you unlock the phone by looking at the screen. This option offers low security, because someone who looks similar to you could unlock your phone. Touch the option for more information, and to set up Face unlock.

  – **Face and voice**: When enabled, you unlock the phone by looking at the screen and using a voice command. This option offers low security, because someone who looks similar to you could unlock your phone. Touch the option for more information, and to set up Face and voice unlock.

  – **Pattern**: When enabled, you draw a pattern, which you create, on the screen to unlock the phone. Touch the option, then follow the prompts to create or change your screen unlock pattern.

  – **PIN**: When enabled, you enter a numeric PIN (Personal Identification Number), which you create, to unlock the phone.

  – **Password**: When enabled, you enter an alphanumeric password, which you create, to unlock the phone.

  – **None**: Disable all custom screen lock settings, to use the default swipe unlock screen.

• **Lock screen options**: Touch this option and the **Lock screen options** screen displays with the following additional options available:

– **Shortcuts**: When enabled, application shortcuts display on the lock screen. Swipe an icon to launch the associated application. Slide **Shortcuts** to the right to enable lock screen shortcuts. Slide **Shortcuts** to the left to disable lock screen shortcuts. Touch **Shortcuts** to add/remove lock screen shortcuts.

– **Information ticker**: When enabled, a news or stock information ticker displays on the lock screen. Slide **Information ticker** to the right to enable the lock screen information ticker. Slide **Information ticker** to the left to disable the lock screen information ticker. Touch **Information ticker** to configure the lock screen information ticker.

– **Camera quick access**: When enabled, lets you launch the Camera application by touching and holding the lock screen and rotating your phone. Slide **Camera quick access** to the right to enable this option. Slide **Camera quick access** to the left to disable this option. Touch **Camera quick access** to view a tutorial about **Camera quick access**.

– **Clock**: Touch this option to enable/disable a clock display on the lock screen. When enabled, a check mark displays in the check box.

– **Dual clock**: When enabled, a clock displaying two time zones displays on the lock screen. Slide **Dual clock** to the right to enable the lock screen dual clock. Slide **Dual clock** to the left to disable the lock screen dual clock. Touch **Dual clock** to configure the lock screen dual clock.

– **Weather**: When enabled, weather information for your current location displays on the lock screen. Slide **Weather** to the right to enable the lock screen weather display. Slide **Weather** to the left to disable the lock screen weather display. Touch **Weather** to configure the lock screen weather display.

– **Ripple effect**: Touch this option to enable/disable showing a ripple effect on the lock screen, provided the lock screen wallpaper is not "live." When enabled, a check mark displays in the check box.

– **Help text**: Touch this option to enable/disable showing text explanations of lock screen features. When enabled, a check mark displays in the check box.

– **Wake up in lock screen** : Touch this option to enable/disable to use a wake-up command when swipe unlock is enabled.

– **Set wake-up command**: Touch this option to configure various functions to be performed upon wake-up.

• **Lock automatically**: The screen locks 5 seconds after the screen turns off.

• **Lock instantly with power key**: Locks the screen as soon as you touch the power button.

• **Vibrate on screen tap**: The phone vibrates when the screen is touched.

• **Owner information**: Touch this option to enter text you want displayed on the Lock screen. The following options are available:

– **Enter text to display on lock screen**: In this box, enter text you want displayed on the lock screen. (For more information about entering text, see *"Text Input Methods"* on page 62.)

– **Show owner info on lock screen**: When enabled, displays text you enter in the text box on the Lock screen.

Encryption

As a security measure, you can encrypt the contents of your phone or an installed memory card, and require a password each time you turn on the phone or access the memory card.

Encryption may take an hour or more to complete. Start with a charged battery, and attach the charger until encryption is complete. Loss of power or other interruption may cause the loss of some or all data.

Once your information is encrypted you will be prompted to enter your decryption password each time you turn your phone on.

■ From the Home screen touch ▤ **Menu** → **Settings** → **Security and lock screen**, then touch the following options to encrypt your information:

• **Encrypt device**: Touch this option to encrypt accounts, settings, downloaded applications and data, media files, and more under a password you specify.

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• **Encrypt SD card**: Touch this option to encrypt selected information stored on a microSD memory card under a password you specify. The following additional **Encryption settings** are available:

– **Encrypt SD card**: When enabled, new files on the memory card will be encrypted as they are added.

– **Full encryption**: When enabled, all files on the memory card will be encrypted.

– **Exclude multimedia files**: When enabled, multimedia files on the memory card will not be encrypted.

SIM card lock

Prevent another user from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card by protecting the information using a PIN code.

When enabled, your phone will ask for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

1. From the Home screen touch ☰ **Menu → Settings → Security and lock screen → Set up SIM card lock**.

2. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

Note: You must activate Lock SIM card before you can change your SIM PIN code.

To change the SIM PIN

1. Tap Change SIM PIN.

2. Enter the old SIM PIN code and tap **OK**.

3. Enter the new SIM PIN code and tap **OK**.

4. Re-type the new SIM PIN code and tape **OK**.

Make Password Visible

When enabled, password characters display briefly as they are entered.

■ From the Home screen touch ☰ **Menu → Settings → Security and lock screen**, then touch the following option to enable/disable it. (When the option is enabled, a check mark displays in the check box.)

• **Make passwords visible**: When enabled, briefly displays password characters as you enter them.

Device administration

View or disable device administrators. Some applications, such as corporate Email, may require you allow access to your device by device administrators in certain circumstances, such as if your phone is lost or stolen.

Some features a device administrator might control include:

• Setting the number of failed password attempts before the phone is restored to factory settings.

• Automatically locking the phone.

• Restoring factory settings on the phone.

■ From the Home screen touch ▤ **Menu** ➔ **Settings** ➔ **Security and lock screen**, then touch the following options to enable/disable them. (When an option is enabled, a check mark displays in its check box.)

• **Device administrators**: View, add, or remove device administrators.

• **Unknown sources**: When enabled, you can install applications from sources other than Google Play®.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Credential storage

You can install credentials with an application, from device storage, or from an installed memory card, and use the **Credential storage** settings to allow applications to access the secure certificates and other credentials.

■ From the Home screen touch ▤ **Menu** ➔ **Settings** ➔ **Security and lock screen**, then touch the following options to enable/disable them. (When an option is enabled, a check mark displays in its check box.)

• **Trusted credentials**: View, enable, or disable trusted CA certificates.

• **Install from device storage**: Install encrypted certificates from an installed memory card.

• **Clear credentials**: Clear stored credentials and reset the password.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

Language and input

■ From the Home screen touch ▤ **Menu** → **Settings** → **Language and input**. The **Language and input** screen displays.

Language

Select the language used in your phone's screens.

■ From the Home screen touch ▤ **Menu** → **Settings** → **Language and input** → **Language** to select the language used in your phone's screens.

Keyboards and input methods

Configure text entry options to your preferences.

■ From the Home screen touch ▤ **Menu** → **Settings** → **Language and input**, then under **Keyboards and input methods**, touch the check box next to each of the following options to enable it. (When enabled, a check mark displays in the check box.)

• **Default**: Review the default method for manually entering text.

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Note: This option cannot be changed.

• **Google voice typing**: Lets you vocally dictate the text entered into a field. Touch ⚙ beside Google voice typing to configure the following options:

– **Select input languages**: Select languages for Google voice typing. Select **Automatic** to use the Default language exclusively, or choose other language(s).

– **Block offensive words**: When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).

• **Samsung keyboard**: Touch ⚙ beside Samsung keypad to configure the following options.

Note: This option cannot be disabled.

– **Portrait keyboard types**: Choose the default keypad when the screen is in portrait mode, from Qwerty or 3x4 keyboard (similar to a phone keypad).

– **Input language**: Select languages for the Samsung keyboard.

Tip: When you have more than one language selected, you can slide your finger on the space bar while entering text to switch languages.

— **Predictive text**: When enabled, T9 suggests words matching your text entries and, optionally, completes common words automatically. Slide **Predictive text** [O] to the right to enable T9 predictive text; slide **Predictive text** [I] to the left to disable T9 predictive text. Touch **Predictive text** to configure the following options:

— **Continuous input**: When enabled, you can sweep your finger over keypad letters to enter words. When you lift your finger, a word matching your sweep is entered automatically. Available when Predictive text is turned On.

— **Handwriting**: When enabled, Samsung keyboard recognizes on-screen tracing of words. Slide **Handwriting** [O] to the right to enable T9 predictive text; slide **Handwriting** [I] to the left to disable T9 predictive text. Touch **Handwriting** to configure the following options:

Recognition type: Select Stroke recognition or Complete recognition.

Recognition time: Select 100 ms, 300 ms, 500 ms, 1000 ms, or 2000 ms.

Pen thickness: Select 1 pixel, 3 pixels, 5 pixels, 7 pixels, or 9 pixels.

Pen color: Select Black, Red, Blue, Green, or Brown.

Gesture guide: Shows gestures for text editing functions.

Tutorial: Explains how to write by hand so that the phone will accept your input.

About: Lists the Build, DHWR, and DioWord+ release versions.

— **Voice input**: When enabled, the voice input key displays on the keyboard.

— **Auto capitalization**: When enabled, T9 automatically capitalizes words in your text based on common usage, such as at the beginning of sentences.

— **Auto-punctuate**: When enabled, a period and space are automatically entered to end a sentence, when you tap the space bar twice.

— **Character preview**: When enabled, characters available on the key you touch display briefly as you enter text.

— **Key-tap vibration**: When enabled, a vibration plays for your key touches.

— **Key-tap sound**: When enabled, a sound plays for your key touches.

– **Tutorial**: View help for using T9 predictive text.

– **Reset settings**: Touch to reset Samsung keyboard settings to the defaults, except for My word list and the Auto substitution list.

Voice cmd for apps

1. From the Home screen touch ▤ **Menu** ➔ **Settings** ➔ **Language and input**, then touch **Voice cmd for apps**.

2. Slide **Voice cmd for apps** 〔 ◯ 〕 to the right to enable voice commands; slide **Voice cmd for apps** 〔 ▮ 〕 to the left to disable voice commands. Touch **Voice cmd for apps** to configure the following options. Touch the check box next to each of the following options to enable it. When enabled, a check mark displays in the check box.

   • **Incoming calls**: Answer and reject calls by using the voice commands Answer and Reject.

   • **Alarm**: Stop or snooze alarms by using the voice commands Stop and Snooze.

   • **Camera**: Take pictures by using voice commands such as Smile, Cheese, Capture, and Shoot.

   • **Music**: Control the music player by using the voice commands Next, Previous, Pause, Play, Volume Up, and Volume Down.

Speech

■ From the Home screen touch ▤ **Menu** ➔ **Settings** ➔ **Language and input**, then under **Speech**, touch the following options:

   • **Voice recognizer**: Choose whether voice recognition uses Google software or Samsung powered by Vlingo software.

   • **Voice search**: Configure how **Voice search** reacts to your speech.

   – **Language**: Choose a language for voice searching.

   – **SafeSearch**: Set the sensitivity for filtering of explicit images from the results of your Google voice searches (Off, Moderate, or Strict).

   – **Block offensive words**: When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).

   – **Personalized recognition**: Improve speech recognition accuracy. (This option only appears if you are currently signed into a Google account.)

– **Google Account dashboard**: Manage your collected data. (This option only appears if you are currently signed into a Google account.)

– **Text-to-speech output**: Provides audible readout of text, for example, the contents of text messages, and the Caller ID for incoming calls.

• **Text-to-speech output**

– **Preferred engine**: Select **Google Text-to-speech Engine**, or **Samsung TTS**.

– **Speech rate**: Choose a rate at which text readouts are spoken.

– **Listen to an example**: Play a sample of speech synthesis.

– **Driving mode**: When enabled, incoming calls and new notifications are read out automatically. Slide **Driving mode** `O` to the right to enable. Slide **Driving mode** `I` to the left to disable. Touch **Driving mode** to choose items to be read out when Driving mode is enabled (Incoming call, Message, New emails, New voicemail, Alarm, Schedule, and/or Unlock screen).

Mouse/trackpad

Customize the response of your screen swipes.

■ From the Home screen touch ▭ **Menu** ➔ **Settings** ➔ **Language and input**, then under **Mouse/trackpad**, touch **Pointer speed**, then touch and drag along the scale to set the pointer speed.

Back up and reset

Set options for backing up your information and resetting your device.

■ From the Home screen touch ▭ **Menu** ➔ **Settings** ➔ **Back up and reset**, and touch the check box next to each of the following options. When enabled, a checkmark displays in the checkbox.

• **Back up my data**: Backs up application data, Wi-Fi passwords, and other phone settings to Google servers.

• **Backup account**: Select or set-up a Google account your phone will use to backup your application data, Wi-Fi passwords, and other phone settings.

• **Automatic restore**: Automatically restore application data, Wi-Fi passwords, and other phone settings from your automatic backup.

Factory data reset

Use Factory data reset to return all settings to the defaults, and remove all data from the phone.

■ From the Home screen touch ▤ **Menu** ➔ **Settings** ➔ **Backup and reset**, then under **Personal data**, touch **Factory data reset** to return all settings to the defaults, and remove all data from the phone.

Important! Settings and data erased in a Factory data reset cannot be recovered. To save your settings, you can use Back up my data settings before a reset.

Accessory

Configure your phone's behavior when you connect it to optional accessories (not included).

■ From the Home screen touch ▤ **Menu** ➔ **Settings** ➔ **Accessory**. The **Accessory** screen displays.

Dock

Configure your phone's behavior when it is connected to an optional Dock (not included).

■ From the Home screen touch ▤ **Menu** ➔ **Settings** ➔ **Accessory**, then under **Dock**, touch the check box next to each of the following options (when enabled, a check mark displays in the checkbox):

• **Dock sound**: When enabled, a sound plays when you insert and remove the phone from the Dock.

• **Audio output mode**: When enabled, audio plays through the Dock speakers when the phone is docked.

• **Desk home screen display**: When enabled, displays a special screen when the phone is docked.

HDMI

Configure your phone's behavior when you connect it to an HD television or an amplifier using an optional HDTV Adapter (not included).

■ From the Home screen touch ▤ **Menu** ➔ **Settings** ➔ **Accessory**. Under **HDMI**, the Audio output option displays:

• **Audio output**: Select the quality of sound to be produced (Stereo or Surround).

Earphones

Configure your phone's behavior when you connect it to optional earphones (not included).

■ From the Home screen touch ▤ **Menu → Settings → Accessory**, then under **Earphones**, touch the check box next to the following option to enable it (when enabled, a check mark displays in the check box):

 • **Audio applications**: When enabled, connecting earphones to your phone's earphone jack automatically displays a set of audio application shortcuts on the Notifications list.

Date and time

By default, your phone receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the Date and time settings.

1. From the Home screen, touch ▤ **Menu → Settings → Date and time**.

2. Touch a setting to configure:

 • **Automatic date and time**: When enabled, the phone takes date and time updates from the wireless network (disables Set date, Set time, and Select time zone).

 • **Set date**: Enter the current date (only available when Automatic date and time is disabled).

 • **Set time**: Enter the current time (only available when Automatic date and time is disabled).

 • **Automatic time zone**: When enabled, the phone uses the network-provided time zone.

 • **Select time zone**: Choose your local time zone (only available when Automatic date and time is disabled).

 • **Use 24-hour format**: Set the format for time displays.

 • **Select date format**: Set the format for date displays.

Accessibility

Your phone offers features to make using the phone easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

■ From the Home screen, touch ▤ **Menu → Settings → Accessibility**. The **Accessibility** screen displays. Touch the check box next to each of the following options to enable it .when enabled, a check mark displays in the check box.

 • **Auto-rotate screen**: The screen's orientation automatically changes when you rotate the phone. You can also set Auto rotate on the Notifications panel with the Screen rotation setting.

- **Speak passwords**: Lets you speak passwords for log-ins.
- **The power key ends calls**: Lets you end voice calls by pressing the ☐☐ **Power/Lock** key.
- **Accessibility shortcut**: Adds an **Accessibility settings** option to the **Device options** menu (displays when you press and hold the ☐☐ **Power/Lock** key. This provides quick access to the **Accessibility** settings, to make changes as you use the phone.
- **Screen timeout**: Set the length of delay between the last key press or screen touch and the automatic **Screen timeout** (dim and lock).
- **Lock automatically**: The screen locks 5 seconds after the screen backlight turns off.
- **TalkBack**: Recites menu options, application titles, contacts, and other items when scrolling and making selections, according to the **Settings** values you select.
- **Install Web scripts**: Does not allow / Allows applications to install scripts from Google that make their Web content more accessible.
- **Negative colors**: Reverses the colors on the screen.

- **Font size**: Set the font size for screen displays (Tiny, Small, Normal, Large, Huge).
- **Mono audio**: Delivers monophonic sound to support listening with a wired or Bluetooth headset with one earphone.
- **Turn off all sounds**: Disables all sounds, including the voice portion of calls.
- **Tap and hold delay**: Select the length of time the phone considers a screen touch before interpreting a touch as touch-and-hold (Short, Medium, Long).

Developer options

Use the Developer options to set options for Android application development and testing.

■ From the Home screen, touch ☰ **Menu** ➔ **Settings** ➔ **Developer options**. The **Developer options** screen displays.

USB debugging

When enabled, allows debugging when the device is attached to a PC by a USB cable.

■ From the Home screen, touch ▤ **Menu** ➔ **Settings** ➔ **Developer options** screen, touch **USB debugging** to enable or disable the setting. When enabled, a check mark displays in the check box.

Development device ID

The identification number for your device when using it as a development tool displays in this field.

Allow mock locations

This setting is used by developers when developing location-based applications.

■ From the Home screen, touch ▤ **Menu** ➔ **Settings** ➔ **Developer options** screen, touch **Allow mock locations** to enable or disable the setting.

Desktop backup password

Protect the desktop with a backup password ID.

1. From the Home screen, touch ▤ **Menu** ➔ **Settings** ➔ **Developer options** screen, touch **Desktop backup password**.

2. In the Settings screen, enter the current full backup password, the new password for full backups, then enter the new password again.

3. Touch **Set backup password** to save the password change.

User interface

Configure the user interface by setting the behavior for the way the screen behaves when using applications or displaying data.

■ From the Home screen, touch ▤ **Menu** ➔ **Settings** ➔ **Developer options** screen, under **User interface**, touch the check box next to each of the following options to enable it. (When enabled, a check mark displays in the check box.)

• **Strict mode**: The screen flashes when applications perform long operations on the main thread.
• **Show pointer location**: Highlights the data that was touched on the screen.
• **Show touches**: Displays touch interactions on the screen.
• **Show screen updates**: Areas of the screen flash when they update.
• **Show CPU usage**: Screen highlights the current CPU usage.
• **Force GPU rendering**: Uses a 2D acceleration in applications.
• **Window animation scale**: Configure the scale for animation (ranges from off to 10x).

• **Transition animation scale**: Configure the scale for transitioning when using animation (ranges from Off to 10x).

Apps

■ From the Home screen, touch ▭ **Menu** ➔ **Settings** ➔ **Developer options** screen, under **Apps**, touch the check box next to each of the following options to enable it. (When enabled, a check mark displays in the check box.)

• **Do not keep activities**: Destroys every activity as soon as the application is closed.

• **Limit background processes**: Set the number of processes that can run in background. Options are: Standard limit, No background processes, and 1 to 4 processes at most.

• **Show all ANRs**: Displays a prompt when applications running in background are not responding.

About device

View information about your phone, including status, legal information, hardware and software versions, and a tutorial.

1. From the Home screen, touch ▭ **Menu** ➔ **Settings** ➔ **About device**.

2. Touch options to view details:

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• **Software update**: Check availability and install updates.

• **Status**: View Battery status, Battery level, Network, Signal strength, Mobile network type, Service state, Roaming, Mobile network state, My phone number, MIN, PRL version, MEID, IMEI, ICCID, IP address, Wi-Fi MAC address, Bluetooth address, Up time, and Device status.

• **Legal information**: Display open source licenses, configure license settings, including your DivX VOD registration, and Google info.

• **Model number**: View your phone's model number.

• **Android version**: View the firmware version of your phone.

• **Baseband version**: View the baseband version of your phone.

• **Kernel version**: View the kernel version of your phone.

• **Build number**: View the build number of your phone.

• **Hardware version**: View the hardware version of your phone.

Software Update

Software Update lets your phone connect to the network and download any new phone software directly to your phone. The phone automatically updates with the latest available software when you access this option.

1. From the Home screen, touch ▭ **Menu** ➔ **Settings** ➔ **About device** ➔ **Software update**. A Disclaimer screen displays.

2. To proceed to Software Update, touch **Confirm**. Your device registers itself with your Wireless Provider's Software Update service, connects with your Wireless Provider's server, and scans for software updates.

3. At the **Software update** prompt, touch **OK** to continue.

4. The phone automatically updates the software (if available). Follow the prompts to finish updating the software.

Section 12: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms "mobile device" or "cell phone" are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at

http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at
 http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at
http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at
http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

• Reduce the amount of time spent using your cell phone;

• Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike "hands-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

• Reduce the amount of time spent on the cell phone;

• Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

• FCC RF Safety Program:
  http://www.fcc.gov/oet/rfsafety/.

• Environmental Protection Agency (EPA):
  http://www.epa.gov/radtown/wireless-tech.html.

• Occupational Safety and Health Administration (OSHA):
  http://www.osha.gov/SLTC/radiofrequencyradiation/.
  (Note: This web address is case sensitive.)

• National Institute for Occupational Safety and Health (NIOSH):
  http://www.cdc.gov/niosh/.

• World Health Organization (WHO):
  http://www.who.int/peh-emf/en/.

• International Commission on Non-Ionizing Radiation Protection:
  http://www.icnirp.de.

• Health Protection Agency:
  http://www.hpa.org.uk/Topics/Radiation/.

• US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/ RadiationEmittingProductsandProcedures/ HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body

expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets

FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

• **Head**: 0.67 W/kg.

• **Body-worn**: 1.53 W/kg.

SAR information on this and other model phones can be accessed online on the FCC's website through http://transition.fcc.gov/oet/rfsafety/sar.html. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional

SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Commercial Mobile Alerting System (CMAS)

This device is designed to receive Wireless Emergency Alerts from CMAS. If your wireless provider has chosen to participate in CMAS, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;

- Secure your phone within easy reach;

- Place calls when you are not moving;

- Plan calls when your car will be stationary;

- Do not engage in stressful or emotional conversations;

- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;

- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.

- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.

• **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.

• **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.

• **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.

• **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.

• **Never use any charger or battery that is damaged in any way**.

• **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.

- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at:
 http://pages.samsung.com/us/recyclingdirect/
usactivities_environment_samsungrecyclingdirect_locations.jsp
.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to

 http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recyle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

> **FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.**
>
> **IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.**
>
> > **DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.**
> >
> > FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.
> >
> > THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the "Standard Limited Warranty".

GPS & AGPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information

may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

• Always tell the emergency responder your location to the best of your ability; and

• Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore**, **you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs**.

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. From the Home screen, touch 📞 to launch the Phone Dialer.

3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.

4. Touch 📞 to place the call.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft

cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:
• Always turn the volume down before plugging the earphones into an audio source.
• Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
• Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.

- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336
Email: info@audiology.org

Internet:
 http://www.audiology.org/Pages/default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:
 http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH
(1-800-356-4674)
1-800-CDC-INFO (1-800-232-4636)
Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:
http://www.cdc.gov/niosh/topics/noise/
default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

• Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;

• Should not carry the mobile device in a breast pocket;

• Should use the ear opposite the implantable medical device to minimize the potential for interference;

• Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;

• Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.

M3 + M2 = 5

T3 + T2 = 5
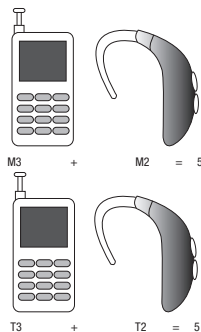
The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with

the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.

- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.

- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.

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- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 13: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082

Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

End User License Agreement for Software

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9. THIRD-PARTY APPLICATIONS. Certain third-party applications may be included with, or downloaded to this mobile device. SAMSUNG makes no representations whatsoever about any of these applications. Since SAMSUNG has no control over such applications, Purchaser acknowledges and agrees that SAMSUNG is not responsible for the availability of such applications and is not responsible or liable for any content, advertising, products, services, or other materials on or available from such applications. Purchaser expressly acknowledges and agrees that use of third-party applications is at Purchaser's sole risk and that the entire risk of unsatisfactory quality, performance, accuracy and effort is with Purchaser. It is up to Purchaser to take precautions to ensure that whatever Purchaser selects to use is free of such items as viruses, worms, Trojan horses, and other items of a destructive nature. References on this mobile device to any names, marks, products, or services of any third-parties are provided solely as a convenience to

Purchaser, and do not constitute or imply an endorsement, sponsorship, or recommendation of, or affiliation with the third-party or its products and services. Purchaser agrees that SAMSUNG shall not be responsible or liable, directly or indirectly, for any damage or loss caused or alleged to caused by, or in connection with, use of or reliance on any such third-party content, products, or services available on or through any such application. Purchaser acknowledges and agrees that your use of any third-party application is governed by such third-party application provider's Terms of Use, License Agreement, Privacy Policy, or other such agreement and that any information or personal data you provide, whether knowingly or unknowingly, to such third-party application provider, will be subject to such third-party application provider's privacy policy, if such a policy exists. SAMSUNG DISCLAIMS ANY RESPONSIBILITY FOR ANY DISCLOSURE OF INFORMATION OR ANY OTHER PRACTICES OF ANY THIRD-PARTY APPLICATION PROVIDER.

10. Disclaimer of Warranty Regarding Third-Party Applications. SAMSUNG DOES NOT WARRANT OR MAKE ANY REPRESENTATIONS REGARDING THE AVAILABILITY, USE, TIMELINESS, SECURITY, VALIDITY, ACCURACY, OR RELIABILITY OF, OR THE RESULTS OF THE USE OF, OR OTHERWISE RESPECTING, THE CONTENT OF ANY

THIRD-PARTY APPLICATION WHETHER SUCH THIRD-PARTY APPLICATION IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG, IS DOWNLOADED, OR OTHERWISE OBTAINED. USE OF ANY THIRD-PARTY APPLICATION IS DONE AT PURCHASER'S OWN DISCRETION AND RISK AND PURCHASER IS SOLELY RESPONSIBLE FOR ANY DAMAGE TO YOUR MOBILE DEVICE OR LOSS OF DATA THAT RESULTS FROM THE DOWNLOADING OR USE OF SUCH THIRD-PARTY APPLICATIONS. SAMSUNG EXPRESSLY DISCLAIMS ANY WARRANTY REGARDING WHETHER PURCHASER'S PERSONAL INFORMATION IS CAPTURED BY ANY THIRD-PARTY APPLICATION PROVIDER OR THE USE TO WHICH SUCH PERSONAL INFORMATION MAY BE PUT BY SUCH THIRD-PARTY APPLICATION PROVIDER. ANY THIRD-PARTY APPLICATIONS PROVIDED WITH THIS MOBILE DEVICE ARE PROVIDED "AS IS" AND ON AN "AS AVAILABLE" BASIS, WITHOUT WARRANTIES OF ANY KIND FROM SAMSUNG, EITHER EXPRESS OR IMPLIED. TO THE FULLEST EXTENT POSSIBLE PURSUANT TO APPLICABLE LAW, SAMSUNG DISCLAIMS ALL WARRANTIES EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, SATISFACTORY QUALITY OR WORKMANLIKE EFFORT, FITNESS FOR A PARTICULAR PURPOSE, RELIABILITY OR AVAILABILITY, ACCURACY, LACK OF VIRUSES, QUIET ENJOYMENT, NON-INFRINGEMENT OF THIRD PARTY RIGHTS OR OTHER VIOLATION OF RIGHTS. SAMSUNG DOES NOT WARRANT AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE THIRD-PARTY APPLICATION, THAT THE FUNCTIONS CONTAINED IN THE THIRD-PARTY APPLICATION WILL MEET PURCHASER'S REQUIREMENTS, THAT THE OPERATION OF THE THIRD-PARTY APPLICATION WILL BE UNINTERRUPTED OR ERROR-FREE, OR THAT DEFECTS IN THE THIRD-PARTY APPLICATION WILL BE CORRECTED. PURCHASER ASSUMES THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR, OR CORRECTION. SOME JURISDICTIONS DO NOT ALLOW EXCLUSIONS OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. NO ADVICE OR INFORMATION, WHETHER ORAL OR WRITTEN, OBTAINED BY PURCHASER FROM SAMSUNG SHALL BE DEEMED TO ALTER THIS DISCLAIMER OF WARRANTY REGARDING THIRD-PARTY APPLICATIONS, OR TO CREATE ANY WARRANTY.

11. Limitation of Liability. SAMSUNG WILL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND ARISING OUT OF OR RELATING TO THE USE OR THE INABILITY TO USE ANY THIRD-PARTY APPLICATION, ITS CONTENT OR FUNCTIONALITY, INCLUDING BUT NOT LIMITED TO DAMAGES

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13. APPLICABLE LAW. This EULA is governed by the laws of TEXAS, without regard to conflicts of laws principles. This EULA shall not be governed by the UN Convention on Contracts for the International Sale of Goods, the application of which is expressly excluded. If a dispute, controversy or difference is not amicably settled, it shall be finally resolved by arbitration in Seoul, Korea in accordance with the

Arbitration Rules of the Korean Commercial Arbitration Board. The award of arbitration shall be final and binding upon the parties.

14. ENTIRE AGREEMENT; SEVERABILITY. This EULA is the entire agreement between you and Samsung relating to the Software and supersedes all prior or contemporaneous oral or written communications, proposals and representations with respect to the Software or any other subject matter covered by this EULA. If any provision of this EULA is held to be void, invalid, unenforceable or illegal, the other provisions shall continue in full force and effect.

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